



Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

000063  
646.9502

Job Sheet 165974



Part No: 646.9502

Job Qty: 1 ea

Part Name: 206A/B/L-Series Cable Cutter System, Low



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 9/30/17

Job Tracking No:

Due Date: 10/31/17

Created By: Mario Poulin

Type: Stock

Description:

Customer: L3 Army Fleet Support LLC (CARMY01)

Army Fleet Support Cairns Field Bldg 30300 Specker Street Fort Rucker, AL, 36362 USA ph:(334) 255-8373

Note: DWG REV N/C IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

Ship Via:

### Bill of Materials

| Part/Part Name                                          | Part Note                                                                                                     | Serial No | Quantity | Location |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------|----------|----------|
| 646.9502<br>206A/B/L-Series Cable Cutter<br>System, Low | DWG REV N/C IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM<br>64                                                    |           | 0.000    |          |
| 600.0990<br>Magnabond 6398 Part A Size<br>112 ml        |                                                                                                               |           | 0.000    |          |
| 600.0991<br>Magnabond 6398 Part B Size<br>112 ml        |                                                                                                               |           | 0.000    |          |
| 600.1012<br>Sealant PR1425B2 (#654<br>sem)              |                                                                                                               |           | 0.000    |          |
| 646.9601<br>Upper Cutter Assembly                       | DWG REV N/C IPP REV:A 12.08.13 NEW ISSUE DD VERF:JFS                                                          |           | 0.000    |          |
| 646.9603<br>Lower Cutter Assembly Low                   | DWG REV N/C IPP REV:A 12.08.13 NEW ISSUE DD VERF:JFS                                                          |           | 0.000    |          |
| 646.9810<br>Deflector                                   | DWG REV A SHEETS 1,2,3 IPP REV:A NEW ISSUE 13/04/01 JFS<br>VERIFIED BY:DD                                     |           | 0.000    |          |
| 646.9910<br>Struts                                      | DWG REV N/C IPP REV:A NEW ISSUE 12-09-19 JLM VERIFIED BY:DD                                                   |           | 0.000    |          |
| 647.0110<br>Roof Doubler                                | DWG REV A1 IPP REV:A 12.08.14 NEW ISSUE DD VERF:JFS                                                           |           | 0.000    |          |
| 647.0111<br>Panel                                       | DWG REV A1 SHEET 2 IPP REV:A 12.08.14 NEW ISSUE DD VERF:JFS                                                   |           | 0.000    |          |
| 647.0112<br>Strut Bracket                               | DWG REV A SHEET 3 IPP REV:A 12.08.14 NEW ISSUE DD VERF:JFS                                                    |           | 0.000    |          |
| 647.0113<br>Strut Doubler                               | DWG REV A1 SHEET 4 IPP REV:A 12.08.14 NEW ISSUE DD VERF:JFS                                                   |           | 0.000    |          |
| 647.0114<br>Clip                                        | DWG REV A1 SHEET 5 IPP REV:A 12.08.14 NEW ISSUE DD VERF:JFS<br>IPP REV:B 13.09.10 NOW MADE AT GFI DD VERF:JLM |           | 0.000    |          |
| 647.0115<br>Clip                                        | DWG REV A1 SHEET 5 IPP REV:A 12.08.14 NEW ISSUE DD VERF:JFS<br>IPP REV:B 13.09.10 NOW MADE AT GFI DD VERF:JLM |           | 0.000    |          |
| 647.0116<br>Doubler                                     | DWG REV A1 SHEET 6 IPP REV:A 12.08.14 NEW ISSUE DD VERF:JFS                                                   |           | 0.000    |          |
| 647.0210<br>Rail                                        | DWG REV N/C IPP REV:A NEW ISSUE 12/10/02 JFS VERIFY BY: DD                                                    |           | 0.000    |          |
| 647.0310<br>Channel                                     | DWG REV N/C IPP REV: A NEW ISSUE 12/09/18 JFS VERIFY BY DD                                                    |           | 0.000    |          |
| 647.0410<br>Tube                                        | DWG REV N/C IPP REV:A 12.09.18 NEW ISSUE DD VERF:JLM                                                          |           | 0.000    |          |

**Dart Aerospace Ltd.**  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
TEL: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaero.com



Job No: 165974  
01/26/18

646-9502  
5035804

**Start up Operation**  
**Part No:**  
**Original Serial #:**  
**Revision:**  
**Operation:**  
**Change No:**

|                      |                                                      |       |
|----------------------|------------------------------------------------------|-------|
| <b>647.1210</b>      | DWG REV N/C IPP REV:A 12.08.14 NEW ISSUE DD VERF:JFS | 0.000 |
| Screen               |                                                      |       |
| <b>AN3-10A</b>       |                                                      | 0.000 |
| Bolt                 |                                                      |       |
| <b>AN3-11A</b>       |                                                      | 0.000 |
| Bolt                 |                                                      |       |
| <b>AN3-3A</b>        |                                                      | 0.000 |
| Bolt                 |                                                      |       |
| <b>AN743-13</b>      |                                                      | 0.000 |
| Bracket              |                                                      |       |
| <b>CCR264SS-3-06</b> |                                                      | 0.000 |
| Rivet                |                                                      |       |
| <b>CCR264SS3-04</b>  |                                                      | 0.000 |
| Rivet                |                                                      |       |
| <b>CCR264SS3-2</b>   |                                                      | 0.000 |
| Rivet, Cherry        |                                                      |       |
| <b>CR3212-4-4</b>    |                                                      | 0.000 |
| Cherry Rivet         |                                                      |       |
| <b>CR3212-5-4</b>    |                                                      | 0.000 |
| Cherry Rivet         |                                                      |       |
| <b>CR3213-4-05</b>   |                                                      | 0.000 |
| Rivet                |                                                      |       |
| <b>CR3213-4-1</b>    |                                                      | 0.000 |
| Cherry Rivet         |                                                      |       |
| <b>CR3213-4-2</b>    |                                                      | 0.000 |
| Cherry Rivet         |                                                      |       |
| <b>CR3213-4-3</b>    |                                                      | 0.000 |
| Rivet, Cherry        |                                                      |       |
| <b>CR3213-4-4</b>    |                                                      | 0.000 |
| Rivet, Cherry        |                                                      |       |
| <b>CR3213-4-6</b>    |                                                      | 0.000 |
| Rivet                |                                                      |       |
| <b>MS21042-08</b>    |                                                      | 0.000 |
| Use Ms21042L08       |                                                      |       |
| <b>MS21042-3</b>     |                                                      | 0.000 |
| Nut                  |                                                      |       |
| <b>MS21047-3</b>     |                                                      | 0.000 |
| Nut Plate            |                                                      |       |
| <b>MS21059-3</b>     |                                                      | 0.000 |
| Nut Plate            |                                                      |       |
| <b>MS21059L08</b>    |                                                      | 0.000 |
| Nut                  |                                                      |       |
| <b>MS24694-S8</b>    |                                                      | 0.000 |
| Screw                |                                                      |       |
| <b>MS27039-08-06</b> | DWG REV PA6                                          | 0.000 |
| Screw                |                                                      |       |
| <b>MS27039-08-09</b> |                                                      | 0.000 |
| Screw                |                                                      |       |
| <b>MS27039-08-11</b> |                                                      | 0.000 |
| Screw                |                                                      |       |
| <b>MS27039-08-12</b> |                                                      | 0.000 |
| Screw                |                                                      |       |
| <b>MS27039-08-13</b> |                                                      | 0.000 |
| Screw                |                                                      |       |
| <b>MS27039-1-08</b>  |                                                      | 0.000 |
| Screw                |                                                      |       |
| <b>MS27039-1-11</b>  |                                                      | 0.000 |
| Screw                |                                                      |       |
| <b>MS35842-11</b>    |                                                      | 0.000 |
| Hose Clamp           |                                                      |       |
| <b>NAS1149F0332P</b> |                                                      | 0.000 |
| Washer               |                                                      |       |
| <b>NAS1149FN832P</b> |                                                      | 0.000 |
| Washer               |                                                      |       |
| <b>NAS1835-08</b>    |                                                      | 0.000 |
| Insert               |                                                      |       |



# Job Routing

| Op No | Operation          | Qty   | Due Date | Standard  |         | Workcenter/Supplier   |           |
|-------|--------------------|-------|----------|-----------|---------|-----------------------|-----------|
|       |                    |       |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |
| 90    | Start up Operation | 1 Ea  | 10/31/17 | 0.00      | 0.00    | Start up container    |           |
| 100   | DC                 | 1 pcs | 10/31/17 | 0.00      | 0.00    | DC                    |           |
| 110   | Packaging          | 1 pcs | 10/31/17 | 0.00      | 0.00    | Packaging1            |           |
| 120   | QC                 | 1 pcs | 10/31/17 | 0.00      | 0.00    | QC4                   |           |
| 130   | Packaging          | 1 pcs | 10/31/17 | 0.00      | 0.00    | Packaging3            |           |
| 140   | QC21-FG            | 1 Ea  | 10/31/17 | 0.00      | 0.00    | QC21                  |           |

Part Op 100 - Photocopy bluefile & type labels per PPP 646.9502  
 Descriptions: 130 - Identify and pack for shipping as per PPP 646.9502 Location: FG101

# Job Allocations

| Operation             | Component Part | Required | Inventory | Allocated | Std Qty |
|-----------------------|----------------|----------|-----------|-----------|---------|
| 90-Start up Operation | 600.0990       | 1        | 0         | 0         | 0       |
|                       | 600.0991       | 1        | 0         | 0         | 0       |
|                       | 600.1012       | 1        | 0         | 0         | 0       |
|                       | 646.9601       | 1        | 0         | 0         | 0       |
|                       | 646.9603       | 1        | 0         | 0         | 0       |
|                       | 646.9810       | 1        | 0         | 0         | 0       |
|                       | 646.9910       | 4        | 0         | 0         | 0       |
|                       | 647.0110       | 1        | 0         | 0         | 0       |
|                       | 647.0111       | 1        | 0         | 0         | 0       |
|                       | 647.0112       | 8        | 0         | 0         | 0       |
|                       | 647.0113       | 2        | 0         | 0         | 0       |
|                       | 647.0114       | 1        | 0         | 0         | 0       |
|                       | 647.0115       | 1        | 0         | 0         | 0       |
|                       | 647.0116       | 2        | 0         | 0         | 0       |
|                       | 647.0210       | 1        | 0         | 0         | 0       |
|                       | 647.0310       | 2        | 0         | 0         | 0       |
|                       | 647.0410       | 1        | 0         | 0         | 0       |
|                       | 647.1210       | 1        | 0         | 0         | 0       |
|                       | AN3-10A        | 8        | 0         | 0         | 0       |
|                       | AN3-11A        | 8        | 0         | 0         | 0       |
|                       | AN3-3A         | 1        | 0         | 0         | 0       |
|                       | AN743-13       | 1        | 0         | 0         | 0       |
|                       | CCR264SS-3-06  | 8        | 0         | 0         | 0       |
|                       | CCR264SS3-04   | 12       | 0         | 0         | 0       |
|                       | CCR264SS3-02   | 4        | 0         | 0         | 0       |
|                       | CR3212-4-4     | 1        | 0         | 0         | 0       |
|                       | CR3212-5-4     | 8        | 0         | 0         | 0       |
|                       | CR3213-4-05    | 26       | 0         | 0         | 0       |
|                       | CR3213-4-1     | 14       | 0         | 0         | 0       |
|                       | CR3213-4-2     | 18       | 0         | 0         | 0       |
|                       | CR3213-4-3     | 18       | 0         | 0         | 0       |
|                       | CR3213-4-4     | 19       | 0         | 0         | 0       |
|                       | CR3213-4-6     | 20       | 0         | 0         | 0       |
|                       | MS21042-08     | 54       | 0         | 0         | 0       |
|                       | MS21042-03     | 17       | 0         | 0         | 0       |
|                       | MS21047-3      | 6        | 0         | 0         | 0       |
|                       | MS21059-3      | 2        | 0         | 0         | 0       |
|                       | MS21059L08     | 4        | 0         | 0         | 0       |
|                       | MS24694-S8     | 5        | 0         | 0         | 0       |
|                       | MS27039-08-06  | 4        | 0         | 0         | 0       |
|                       | MS27039-08-09  | 4        | 0         | 0         | 0       |
|                       | MS27039-08-11  | 43       | 0         | 0         | 0       |
|                       | MS27039-08-12  | 2        | 0         | 0         | 0       |
|                       | MS27039-08-13  | 6        | 0         | 0         | 0       |
|                       | MS27039-1-08   | 5        | 0         | 0         | 0       |
|                       | MS27039-1-11   | 5        | 0         | 0         | 0       |
|                       | MS35842-11     | 1        | 0         | 0         | 0       |
|                       | NAS1149F0332P  | 62       | 0         | 0         | 0       |
|                       | NAS1149FN832P  | 111      | 0         | 0         | 0       |
|                       | NAS1835-08     | 4        | 0         | 0         | 0       |

# Part Specifications

000063



Specifications could not be found.

Plex 10/2/17 1:30 PM Dart.lajeunesse.marte

**\*165974\***

Page 1

**\*N900040100\***

Setup Start \*NS1\*

Stop **\*NS2\***

**Start Date:** 9/6/2017      **Start Qty:** 1.00      **\*1\***

**Required Date:** 9/13/2017      **Req'd Qty:** 1.00      **\* 1 \***

**DAS**

Approvals: Process Plan: 21 Date SEP 06 2017

**Tooling:**

**Date:**

Run Start \*NR1\*

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_

Date:

Stop \*NR2\*

[illegible]

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                                                                                                                                                            |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/><br/>             Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/><br/>             Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |  |  |  |                                                                                                                                                            |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  | <b>MRB (QSI042) Approval</b><br><br>Completed By _____<br><br>Lead hand / Supervisor Approval Verification _____<br><br>QC / QA Coordinator Approval _____ |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |                                                                                                                                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                                                                                                                                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                                                                                                                                                            |  |
| <b>Root Cause</b><br><div style="display: flex;"> <div style="width: 50%;">             Environment <input type="checkbox"/><br/>             Design <input type="checkbox"/><br/>             Doc/Data <input type="checkbox"/><br/>             Equip/Tooling <input type="checkbox"/><br/>             Handling/Pre <input type="checkbox"/><br/>             Material <input type="checkbox"/><br/>             Internal Transport <input type="checkbox"/><br/>             Tribal Knowledge <input type="checkbox"/><br/>             LOA <input type="checkbox"/><br/>             Substation <input type="checkbox"/><br/>             Past Expiry Date <input type="checkbox"/><br/>             Misidentified <input type="checkbox"/> </div> <div style="width: 50%;">             No Re-verification <input type="checkbox"/><br/>             Operator <input type="checkbox"/><br/>             Offset/Setup <input type="checkbox"/><br/>             Supplier <input type="checkbox"/><br/>             Training <input type="checkbox"/><br/>             Use for Testing <input type="checkbox"/><br/>             Poor Information <input type="checkbox"/><br/>             Rushing <input type="checkbox"/><br/>             Product Improvement <input type="checkbox"/><br/>             Process Improvement <input type="checkbox"/><br/>             Manufacturing Process <input type="checkbox"/><br/>             Past Due <input type="checkbox"/> </div> </div> |  | <b>FAULT CATEGORY</b><br><div style="display: flex;"> <div style="width: 33%;">             Pressure/Forced <input type="checkbox"/><br/>             Bending <input type="checkbox"/><br/>             Centre Not Concentric <input type="checkbox"/><br/>             Cracks <input type="checkbox"/><br/>             Crimp/Kink/Ripple/Wave <input type="checkbox"/><br/>             Cuffs <input type="checkbox"/><br/>             Crushing <input type="checkbox"/><br/>             Heat Treat <input type="checkbox"/><br/>             Wave/Twist in Tube <input type="checkbox"/><br/>             Marks/Chatter <input type="checkbox"/> </div> <div style="width: 33%;">             Temperature/Cure <input type="checkbox"/><br/>             Set-up <input type="checkbox"/><br/>             BOM/Route <input type="checkbox"/><br/>             Broken/Damage/Defect <input type="checkbox"/><br/>             Inspection Incomplete/Unqualified <input type="checkbox"/><br/>             Contamination <input type="checkbox"/><br/>             Countersink <input type="checkbox"/><br/>             Cut Too Short <input type="checkbox"/><br/>             Instructions Incomplete/Unclear <input type="checkbox"/><br/>             Drill Holes <input type="checkbox"/> </div> <div style="width: 33%;">             Power Loss/Surge <input type="checkbox"/><br/>             Folio/Program <input type="checkbox"/><br/>             Grain <input type="checkbox"/><br/>             Weld <input type="checkbox"/><br/>             Wrong Stock Pulled <input type="checkbox"/><br/>             Out of Sequence <input type="checkbox"/><br/>             Off-set <input type="checkbox"/><br/>             Misabeled <input type="checkbox"/><br/>             Fit/Function <input type="checkbox"/><br/>             Misaligned/off center <input type="checkbox"/> </div> <div style="width: 33%;">             Positioned Wrong <input type="checkbox"/><br/>             Outside Dimensions <input type="checkbox"/><br/>             Over/Under tolerance <input type="checkbox"/><br/>             Part Incorrect <input type="checkbox"/><br/>             Part Lost/Missing <input type="checkbox"/><br/>             Part Moved <input type="checkbox"/><br/>             Drawing <input type="checkbox"/><br/>             Finish <input type="checkbox"/><br/>             Misread <input type="checkbox"/><br/>             Turning Sequence <input type="checkbox"/> </div> </div> |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                                                                                                                                                            |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | OTHER : <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |  |                                                                                                                                                            |  |



**Work Order ID 165974****\*165974\***

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Wednesday, September 06, 2017 3:12:28 PM

Item ID: 646.9502 Accept **\*N900040100\*** Setup Start **\*NS1\***  
Revision ID: Stop **\*NS2\***  
Item Name: 206A/B/L-Series Cable Cutter System, Low  
Start Date: 9/6/2017 Start Qty: 1.00 **\*1\*** Cust Item ID:  
Required Date: 9/13/2017 Req'd Qty: 1.00 **\*1\*** Customer:  
Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

| Sequence ID/<br>Work Center ID | Operation<br>Description                                              | Set Up/<br>Run Hours | Tool ID | Tool # | Plan<br>Code | Accept<br>Qty | Reject<br>Qty | Reject<br>Number | Insp.<br>Stamp |
|--------------------------------|-----------------------------------------------------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
| 130<br><b>*130*</b>            | Identify as per dwg & Stock Location: _____<br>Packaging              | 0.00                 |         |        |              |               |               |                  |                |
| Packaging                      | <b>Memo</b>                                                           | 0.00                 |         |        |              |               |               |                  |                |
| Packaging                      | Identify and pack for shipping as per PPP 646.9502<br>Location :FG101 |                      |         |        |              |               |               |                  |                |
| 140<br><b>*140*</b>            | QC21- Final Inspection - Work Order Release                           | 0.00                 |         |        |              |               |               |                  |                |
| QC<br>Quality Control          | <b>Memo</b>                                                           | 0.10                 |         |        |              |               |               |                  |                |

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                                                            |  |  |
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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/><br/>             Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/><br/>             Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |  |  |                                                                                                                                                            |  |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | <b>MRB (QSI042) Approval</b><br><br>Completed By _____<br><br>Lead hand / Supervisor Approval Verification _____<br><br>QC / QA Coordinator Approval _____ |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |                                                                                                                                                            |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                                                            |  |  |
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| <b>Root Cause</b><br><div style="display: flex; justify-content: space-between;"> <div>             Environment <input type="checkbox"/><br/>             Design <input type="checkbox"/><br/>             Doc/Data <input type="checkbox"/><br/>             Equip/Tooling <input type="checkbox"/><br/>             Handling/Pre <input type="checkbox"/><br/>             Material <input type="checkbox"/><br/>             Internal Transport <input type="checkbox"/><br/>             Tribal Knowledge <input type="checkbox"/><br/>             LOA <input type="checkbox"/><br/>             Substation <input type="checkbox"/><br/>             Past Expiry Date <input type="checkbox"/><br/>             Misidentified <input type="checkbox"/> </div> <div>             No Re-verification <input type="checkbox"/><br/>             Operator <input type="checkbox"/><br/>             Offset/Setup <input type="checkbox"/><br/>             Supplier <input type="checkbox"/><br/>             Training <input type="checkbox"/><br/>             Use for Testing <input type="checkbox"/><br/>             Poor Information <input type="checkbox"/><br/>             Rushing <input type="checkbox"/><br/>             Product Improvement <input type="checkbox"/><br/>             Process Improvement <input type="checkbox"/><br/>             Manufacturing Process <input type="checkbox"/><br/>             Past Due <input type="checkbox"/> </div> </div> |  | <b>FAULT CATEGORY</b><br><div style="display: flex; justify-content: space-between;"> <div>             Pressure/Forced <input type="checkbox"/><br/>             Bending <input type="checkbox"/><br/>             Centre Not Concentric <input type="checkbox"/><br/>             Cracks <input type="checkbox"/><br/>             Crimp/Kink/Ripple/Wave <input type="checkbox"/><br/>             Cuffs <input type="checkbox"/><br/>             Crushing <input type="checkbox"/><br/>             Heat Treat <input type="checkbox"/><br/>             Wave/Twist in Tube <input type="checkbox"/><br/>             Marks/Chatter <input type="checkbox"/> </div> <div>             Temperature/Cure <input type="checkbox"/><br/>             Set-up <input type="checkbox"/><br/>             BOM/Route <input type="checkbox"/><br/>             Broken/Damage/Defect <input type="checkbox"/><br/>             Inspection Incomplete/Unqualified <input type="checkbox"/><br/>             Contamination <input type="checkbox"/><br/>             Countersink <input type="checkbox"/><br/>             Cut Too Short <input type="checkbox"/><br/>             Instructions Incomplete/Unclear <input type="checkbox"/><br/>             Drill Holes <input type="checkbox"/> </div> <div>             Power Loss/Surge <input type="checkbox"/><br/>             Folio/Program <input type="checkbox"/><br/>             Grain <input type="checkbox"/><br/>             Weld <input type="checkbox"/><br/>             Wrong Stock Pulled <input type="checkbox"/><br/>             Out of Sequence <input type="checkbox"/><br/>             Off-set <input type="checkbox"/><br/>             Misabeled <input type="checkbox"/><br/>             Fit/Function <input type="checkbox"/><br/>             Misaligned/off center <input type="checkbox"/> </div> <div>             Positioned Wrong <input type="checkbox"/><br/>             Outside Dimensions <input type="checkbox"/><br/>             Over/Under tolerance <input type="checkbox"/><br/>             Part Incorrect <input type="checkbox"/><br/>             Part Lost/Missing <input type="checkbox"/><br/>             Part Moved <input type="checkbox"/><br/>             Drawing <input type="checkbox"/><br/>             Finish <input type="checkbox"/><br/>             Misread <input type="checkbox"/><br/>             Turning Sequence <input type="checkbox"/> </div> </div> |  | OTHER : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                                                            |  |  |

# Picklist Print

Page 1

Wednesday, September 06, 2017 3:12:32 PM

Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A 12.08.28 NEW ISSUE DD VERF:JLM

| Component Item ID/<br>Item Name | Replacement<br>Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|

|          |  |           |    |  |  |     |      |         |   |   |  |  |  |
|----------|--|-----------|----|--|--|-----|------|---------|---|---|--|--|--|
| 600.0990 |  | Purchased | No |  |  | 110 | Each | 18.0000 | 1 | 1 |  |  |  |
|----------|--|-----------|----|--|--|-----|------|---------|---|---|--|--|--|

**\*600 0990\***

**\*\***

Magnabond 6398 Part A Size 112 ml

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
| PKG             | 18             |                 |
| M136586         | 1              |                 |
| M136862         | 1              |                 |
| M137073         | 1              |                 |
| M137495         | 4              |                 |
| M137712         | 7              |                 |
| M138326         | 4              |                 |

|          |  |           |    |  |  |     |      |         |   |   |  |  |  |
|----------|--|-----------|----|--|--|-----|------|---------|---|---|--|--|--|
| 600.0991 |  | Purchased | No |  |  | 110 | Each | 19.0000 | 1 | 1 |  |  |  |
|----------|--|-----------|----|--|--|-----|------|---------|---|---|--|--|--|

**\*600 0991\***

**\*\***

Magnabond 6398 Part B Size 112 ml

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
| PKG             | 19             |                 |
| m136586         | 2              |                 |
| m136862         | 1              |                 |
| m137073         | 1              |                 |
| m137495         | 4              |                 |
| m137712         | 7              |                 |
| m138326         | 4              |                 |

|          |  |           |    |  |  |     |      |        |   |   |  |  |  |
|----------|--|-----------|----|--|--|-----|------|--------|---|---|--|--|--|
| 600.1012 |  | Purchased | No |  |  | 110 | Each | 9.0000 | 1 | 1 |  |  |  |
|----------|--|-----------|----|--|--|-----|------|--------|---|---|--|--|--|

**\*600 1012\***

**\*\***

Sealant PR1425B2 (#654 sem)

| <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|-----------------|----------------|-----------------|
| cck017          | 9              |                 |
| m138326         | 9              |                 |

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                            |  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/><br/>             Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/><br/>             Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |  |                                                                                                                                                            |  |
| Date :                                                       | Step #:                                                                                                                                                                            | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | <b>MRB (QSI042) Approval</b><br><br>Completed By _____<br><br>Lead hand / Supervisor Approval Verification _____<br><br>QC / QA Coordinator Approval _____ |  |
| Description Work Order Deviation                             |                                                                                                                                                                                    | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                            |  |
|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                            |  |
|                                                              |                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                                                                                                                                            |  |

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| <b>Root Cause</b><br><br><div style="display: flex;"> <div style="flex: 1;">           Environment <input type="checkbox"/><br/>           Design <input type="checkbox"/><br/>           Doc/Data <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Pre <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Internal Transport <input type="checkbox"/><br/>           Tribal Knowledge <input type="checkbox"/><br/>           LOA <input type="checkbox"/><br/>           Substation <input type="checkbox"/><br/>           Past Expiry Date <input type="checkbox"/><br/>           Misidentified <input type="checkbox"/> </div> <div style="flex: 1;">           No Re-verification <input type="checkbox"/><br/>           Operator <input type="checkbox"/><br/>           Offset/Setup <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Training <input type="checkbox"/><br/>           Use for Testing <input type="checkbox"/><br/>           Poor Information <input type="checkbox"/><br/>           Rushing <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Past Due <input type="checkbox"/> </div> </div> | <b>FAULT CATEGORY</b><br><br><div style="display: flex;"> <div style="flex: 1;">           Pressure/Forced <input type="checkbox"/><br/>           Bending <input type="checkbox"/><br/>           Centre Not Concentric <input type="checkbox"/><br/>           Cracks <input type="checkbox"/><br/>           Crimp/Kink/Ripple/Wave <input type="checkbox"/><br/>           Cuffs <input type="checkbox"/><br/>           Crushing <input type="checkbox"/><br/>           Heat Treat <input type="checkbox"/><br/>           Wave/Twist in Tube <input type="checkbox"/><br/>           Marks/Chatter <input type="checkbox"/> </div> <div style="flex: 1;">           Temperature/Cure <input type="checkbox"/><br/>           Set-up <input type="checkbox"/><br/>           BOM/Route <input type="checkbox"/><br/>           Broken/Damage/Defect <input type="checkbox"/><br/>           Inspection Incomplete/Unqualified <input type="checkbox"/><br/>           Contamination <input type="checkbox"/><br/>           Countersink <input type="checkbox"/><br/>           Cut Too Short <input type="checkbox"/><br/>           Instructions Incomplete/Unclear <input type="checkbox"/><br/>           Drill Holes <input type="checkbox"/> </div> <div style="flex: 1;">           Power Loss/Surge <input type="checkbox"/><br/>           Folio/Program <input type="checkbox"/><br/>           Grain <input type="checkbox"/><br/>           Weld <input type="checkbox"/><br/>           Wrong Stock Pulled <input type="checkbox"/><br/>           Out of Sequence <input type="checkbox"/><br/>           Off-set <input type="checkbox"/><br/>           Mislabeled <input type="checkbox"/><br/>           Fit/Function <input type="checkbox"/><br/>           Misaligned/off center <input type="checkbox"/> </div> <div style="flex: 1;">           Positioned Wrong <input type="checkbox"/><br/>           Outside Dimensions <input type="checkbox"/><br/>           Over/Under tolerance <input type="checkbox"/><br/>           Part Incorrect <input type="checkbox"/><br/>           Part Lost/Missing <input type="checkbox"/><br/>           Part Moved <input type="checkbox"/><br/>           Drawing <input type="checkbox"/><br/>           Finish <input type="checkbox"/><br/>           Misread <input type="checkbox"/><br/>           Turning Sequence <input type="checkbox"/> </div> </div> |
| OTHER : <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



# Picklist Print

Wednesday, September 06, 2017 3:12:32 PM

Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

646.9601 Manufactured No

110 Each 0.0000 1 1

**\*646 9601\***

**\*\***

Upper Cutter Assembly

646.9603 Manufactured No

110 Each 3.0000 1 1

**\*646 9603\***

**\*\***

Lower Cutter Assembly Low

Location

Loc Qty

Loc Code

CCK036

3

160092

3

5/10/2018

646.9810 Manufactured No

110 Each 0.0000 1 1

**\*646 9810\***

**\*\***

Deflector

646.9910 Manufactured No

110 Each 0.0000 4 4

**\*646 9910\***

**\*\***

Struts

647.0110 Manufactured No

110 Each 0.0000 1 1

**\*647 0110\***

**\*\***

Roof Doubler

647.0111 Manufactured No

110 Each 3.0000 1 1

**\*647 0111\***

**\*\***

Panel

Location

Loc Qty

Loc Code

CCK088

3

159852

3

647.0112 Manufactured No

110 Each 0.0000 8 8

**\*647 0112\***

**\*\***

Strut Bracket

647.0113 Manufactured No

110 Each 0.0000 2 2

**\*647 0113\***

**\*\***

Strut Doubler

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                                                            |  |  |
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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/><br/>             Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/><br/>             Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |  |  |                                                                                                                                                            |  |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | <b>MRB (QSI042) Approval</b><br><br>Completed By _____<br><br>Lead hand / Supervisor Approval Verification _____<br><br>QC / QA Coordinator Approval _____ |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |                                                                                                                                                            |  |  |
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| <b>Root Cause</b><br><div style="display: flex; justify-content: space-between;"> <div>             Environment <input type="checkbox"/><br/>             Design <input type="checkbox"/><br/>             Doc/Data <input type="checkbox"/><br/>             Equip/Tooling <input type="checkbox"/><br/>             Handling/Pre <input type="checkbox"/><br/>             Material <input type="checkbox"/><br/>             Internal Transport <input type="checkbox"/><br/>             Tribal Knowledge <input type="checkbox"/><br/>             LOA <input type="checkbox"/><br/>             Substation <input type="checkbox"/><br/>             Past Expiry Date <input type="checkbox"/><br/>             Misidentified <input type="checkbox"/> </div> <div>             No Re-verification <input type="checkbox"/><br/>             Operator <input type="checkbox"/><br/>             Offset/Setup <input type="checkbox"/><br/>             Supplier <input type="checkbox"/><br/>             Training <input type="checkbox"/><br/>             Use for Testing <input type="checkbox"/><br/>             Poor Information <input type="checkbox"/><br/>             Rushing <input type="checkbox"/><br/>             Product Improvement <input type="checkbox"/><br/>             Process Improvement <input type="checkbox"/><br/>             Manufacturing Process <input type="checkbox"/><br/>             Past Due <input type="checkbox"/> </div> </div> |  | <b>FAULT CATEGORY</b><br><div style="display: flex; justify-content: space-between;"> <div>             Pressure/Forced <input type="checkbox"/><br/>             Bending <input type="checkbox"/><br/>             Centre Not Concentric <input type="checkbox"/><br/>             Cracks <input type="checkbox"/><br/>             Crimp/Kink/Ripple/Wave <input type="checkbox"/><br/>             Cuffs <input type="checkbox"/><br/>             Crushing <input type="checkbox"/><br/>             Heat Treat <input type="checkbox"/><br/>             Wave/Twist in Tube <input type="checkbox"/><br/>             Marks/Chatter <input type="checkbox"/> </div> <div>             Temperature/Cure <input type="checkbox"/><br/>             Set-up <input type="checkbox"/><br/>             BOM/Route <input type="checkbox"/><br/>             Broken/Damage/Defect <input type="checkbox"/><br/>             Inspection Incomplete/Unqualified <input type="checkbox"/><br/>             Contamination <input type="checkbox"/><br/>             Countersink <input type="checkbox"/><br/>             Cut Too Short <input type="checkbox"/><br/>             Instructions Incomplete/Unclear <input type="checkbox"/><br/>             Drill Holes <input type="checkbox"/> </div> <div>             Power Loss/Surge <input type="checkbox"/><br/>             Folio/Program <input type="checkbox"/><br/>             Grain <input type="checkbox"/><br/>             Weld <input type="checkbox"/><br/>             Wrong Stock Pulled <input type="checkbox"/><br/>             Out of Sequence <input type="checkbox"/><br/>             Off-set <input type="checkbox"/><br/>             Misabeled <input type="checkbox"/><br/>             Fit/Function <input type="checkbox"/><br/>             Misaligned/off center <input type="checkbox"/> </div> <div>             Positioned Wrong <input type="checkbox"/><br/>             Outside Dimensions <input type="checkbox"/><br/>             Over/Under tolerance <input type="checkbox"/><br/>             Part Incorrect <input type="checkbox"/><br/>             Part Lost/Missing <input type="checkbox"/><br/>             Part Moved <input type="checkbox"/><br/>             Drawing <input type="checkbox"/><br/>             Finish <input type="checkbox"/><br/>             Misread <input type="checkbox"/><br/>             Turning Sequence <input type="checkbox"/> </div> </div> |  | OTHER : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                                                            |  |  |

# Picklist Print

Wednesday, September 06, 2017 3:12:32 PM

Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

647.0114      Manufactured      No

110      Each      41.0000      1      1

**\*647 0114\***

**\*\***

Clip

Location

Loc Qty

Loc Code

CCK106

41

106616

41

647.0115      Manufactured      No

110      Each      36.0000      1      1

**\*647 0115\***

**\*\***

Clip

Location

Loc Qty

Loc Code

CCK106

36

106617

36

647.0116      Manufactured      No

110      Each      24.0000      2      2

**\*647 0116\***

**\*\***

Doubler

Location

Loc Qty

Loc Code

CCK107

24

159857

24

647.0210      Manufactured      No

110      Each      0.0000      1      1

**\*647 0210\***

**\*\***

Rail

647.0310      Manufactured      No

110      Each      0.0000      2      2

**\*647 0310\***

**\*\***

Channel

647.0410      Manufactured      No

110      Each      2.0000      1      1

**\*647 0410\***

**\*\***

Tube

Location

Loc Qty

Loc Code

CCK107

2

159786

2

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |                                                                                                                    |  |
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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/><br/>             Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/><br/>             Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |                                                                                                                    |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | MRB (QSI042) Approval |                                                                                                                    |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       | Completed By<br><br><br>Lead hand / Supervisor<br>Approval Verification<br><br><br>QC / QA Coordinator<br>Approval |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |                                                                                                                    |  |
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| Root Cause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FAULT CATEGORY                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |                                                                                                                    |  |
| Environment <input type="checkbox"/><br>Design <input type="checkbox"/><br>Doc/Data <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Pre <input type="checkbox"/><br>Material <input type="checkbox"/><br>Internal Transport <input type="checkbox"/><br>Tribal Knowledge <input type="checkbox"/><br>LOA <input type="checkbox"/><br>Substation <input type="checkbox"/><br>Past Expiry Date <input type="checkbox"/><br>Misidentified <input type="checkbox"/> | No Re-verification <input type="checkbox"/><br>Operator <input type="checkbox"/><br>Offset/Setup <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Training <input type="checkbox"/><br>Use for Testing <input type="checkbox"/><br>Poor Information <input type="checkbox"/><br>Rushing <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Past Due <input type="checkbox"/> | Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Centre Not Concentric <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave <input type="checkbox"/><br>Cuffs <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Heat Treat <input type="checkbox"/><br>Wave/Twist in Tube <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/> | Temperature/Cure <input type="checkbox"/><br>Set-up <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Inspection Incomplete/Unqualified <input type="checkbox"/><br>Contamination <input type="checkbox"/><br>Countersink <input type="checkbox"/><br>Cut Too Short <input type="checkbox"/><br>Instructions Incomplete/Unclear <input type="checkbox"/><br>Drill Holes <input type="checkbox"/> | Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set <input type="checkbox"/><br>Misabeled <input type="checkbox"/><br>Fit/Function <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Positioned Wrong <input type="checkbox"/><br>Outside Dimensions <input type="checkbox"/><br>Over/Under tolerance <input type="checkbox"/><br>Part Incorrect <input type="checkbox"/><br>Part Lost/Missing <input type="checkbox"/><br>Part Moved <input type="checkbox"/><br>Drawing <input type="checkbox"/><br>Finish <input type="checkbox"/><br>Misread <input type="checkbox"/><br>Turning Sequence <input type="checkbox"/> |  |                       |                                                                                                                    |  |
| OTHER : <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                       |                                                                                                                    |  |



# Picklist Print

Wednesday, September 06, 2017 3:12:32 PM

Page 4

Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

647.1210 Manufactured No

110 Each 22.0000 1 1

**\*647 1210\***

**\*\***

Screen

Location

Loc Qty

Loc Code

CCK107

22

159856

21

165091

1

AN3-10A Purchased No

110 Each 192.0000 8 8

**\*AN3-10A\***

**\*\***

Bolt

Location

Loc Qty

Loc Code

GA

38

m136787

38

ST349

154

m138326

154

AN3-11A Purchased No

110 Each 63.0000 8 8

**\*AN3-11A\***

**\*\***

Bolt

Location

Loc Qty

Loc Code

ST349

63

m136192

63

AN3-3A Purchased No

110 Each 108.0000 1 1

**\*AN3-3A\***

**\*\***

Bolt

Location

Loc Qty

Loc Code

ST350

108

m137853

33

m138207

25

m138409

50

Wednesday, September 06, 2017 3:12:32 PM

Shop Packet Print

Page 4

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |  |  |                                                                                                                                                     |  |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  | MRB (QSI042) Approval<br><br><br>Completed By<br><br><br>Lead hand / Supervisor<br>Approval Verification<br><br><br>QC / QA Coordinator<br>Approval |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                                                                                                                                                     |  |  |
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| <b>Root Cause</b><br><div style="display: flex; justify-content: space-between;"> <div>           Environment <input type="checkbox"/><br/>           Design <input type="checkbox"/><br/>           Doc/Data <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Pre <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Internal Transport <input type="checkbox"/><br/>           Tribal Knowledge <input type="checkbox"/><br/>           LOA <input type="checkbox"/><br/>           Substation <input type="checkbox"/><br/>           Past Expiry Date <input type="checkbox"/><br/>           Misidentified <input type="checkbox"/> </div> <div>           No Re-verification <input type="checkbox"/><br/>           Operator <input type="checkbox"/><br/>           Offset/Setup <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Training <input type="checkbox"/><br/>           Use for Testing <input type="checkbox"/><br/>           Poor Information <input type="checkbox"/><br/>           Rushing <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Past Due <input type="checkbox"/> </div> </div> |  | <b>FAULT CATEGORY</b><br><div style="display: flex; justify-content: space-between;"> <div>           Pressure/Forced <input type="checkbox"/><br/>           Bending <input type="checkbox"/><br/>           Centre Not Concentric <input type="checkbox"/><br/>           Cracks <input type="checkbox"/><br/>           Crimp/Kink/Ripple/Wave <input type="checkbox"/><br/>           Cuffs <input type="checkbox"/><br/>           Crushing <input type="checkbox"/><br/>           Heat Treat <input type="checkbox"/><br/>           Wave/Twist in Tube <input type="checkbox"/><br/>           Marks/Chatter <input type="checkbox"/> </div> <div>           Temperature/Cure <input type="checkbox"/><br/>           Set-up <input type="checkbox"/><br/>           BOM/Route <input type="checkbox"/><br/>           Broken/Damage/Defect <input type="checkbox"/><br/>           Inspection Incomplete/Unqualified <input type="checkbox"/><br/>           Contamination <input type="checkbox"/><br/>           Countersink <input type="checkbox"/><br/>           Cut Too Short <input type="checkbox"/><br/>           Instructions Incomplete/Unclear <input type="checkbox"/><br/>           Drill Holes <input type="checkbox"/> </div> <div>           Power Loss/Surge <input type="checkbox"/><br/>           Folio/Program <input type="checkbox"/><br/>           Grain <input type="checkbox"/><br/>           Weld <input type="checkbox"/><br/>           Wrong Stock Pulled <input type="checkbox"/><br/>           Out of Sequence <input type="checkbox"/><br/>           Off-set <input type="checkbox"/><br/>           Misabeled <input type="checkbox"/><br/>           Fit/Function <input type="checkbox"/><br/>           Misaligned/off center <input type="checkbox"/> </div> <div>           Positioned Wrong <input type="checkbox"/><br/>           Outside Dimensions <input type="checkbox"/><br/>           Over/Under tolerance <input type="checkbox"/><br/>           Part Incorrect <input type="checkbox"/><br/>           Part Lost/Missing <input type="checkbox"/><br/>           Part Moved <input type="checkbox"/><br/>           Drawing <input type="checkbox"/><br/>           Finish <input type="checkbox"/><br/>           Misread <input type="checkbox"/><br/>           Turning Sequence <input type="checkbox"/> </div> </div> |  | OTHER : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |                                                                                                                                                     |  |  |

# Picklist Print

Wednesday, September 06, 2017 3:12:32 PM

Page 5

Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

AN743-13 Purchased No

110 Each 24.0000 1 1

**\*AN743-13\***

**\*\***

Bracket

Location

Loc Qty

Loc Code

ST330

24

M136665

4

M138326

20

CCR264SS3-04 Purchased No

110 Each 234.0000 12 12

**\*CCR264SS3-04\***

**\*\***

Rivet

Location

Loc Qty

Loc Code

ST321

234

m137391

34

m138333

200

CCR264SS-3-06 Purchased No

110 Each 284.0000 8 8

**\*CCR264SS-3-06\***

**\*\***

Rivet

Location

Loc Qty

Loc Code

ST321

284

m138333

284

CCR264SS3-2 CCR264SS3-02 Purchased No

110 Each 200.0000 4 4

**\*CCR264SS3-2\***

**\*\***

Rivet, Cherry

Location

Loc Qty

Loc Code

CCK003

200

m138333

200

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |                                                                                                                                                            |  |  |
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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/><br/>             Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/><br/>             Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |  |  |                                                                                                                                                            |  |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  | <b>MRB (QSI042) Approval</b><br><br>Completed By _____<br><br>Lead hand / Supervisor Approval Verification _____<br><br>QC / QA Coordinator Approval _____ |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |                                                                                                                                                            |  |  |
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| <b>Root Cause</b><br><div style="display: flex; justify-content: space-between;"> <div>             Environment <input type="checkbox"/><br/>             Design <input type="checkbox"/><br/>             Doc/Data <input type="checkbox"/><br/>             Equip/Tooling <input type="checkbox"/><br/>             Handling/Pre <input type="checkbox"/><br/>             Material <input type="checkbox"/><br/>             Internal Transport <input type="checkbox"/><br/>             Tribal Knowledge <input type="checkbox"/><br/>             LOA <input type="checkbox"/><br/>             Substation <input type="checkbox"/><br/>             Past Expiry Date <input type="checkbox"/><br/>             Misidentified <input type="checkbox"/> </div> <div>             No Re-verification <input type="checkbox"/><br/>             Operator <input type="checkbox"/><br/>             Offset/Setup <input type="checkbox"/><br/>             Supplier <input type="checkbox"/><br/>             Training <input type="checkbox"/><br/>             Use for Testing <input type="checkbox"/><br/>             Poor Information <input type="checkbox"/><br/>             Rushing <input type="checkbox"/><br/>             Product Improvement <input type="checkbox"/><br/>             Process Improvement <input type="checkbox"/><br/>             Manufacturing Process <input type="checkbox"/><br/>             Past Due <input type="checkbox"/> </div> </div> |  | <b>FAULT CATEGORY</b><br><div style="display: flex; justify-content: space-between;"> <div>             Pressure/Forced <input type="checkbox"/><br/>             Bending <input type="checkbox"/><br/>             Centre Not Concentric <input type="checkbox"/><br/>             Cracks <input type="checkbox"/><br/>             Crimp/Kink/Ripple/Wave <input type="checkbox"/><br/>             Cuffs <input type="checkbox"/><br/>             Crushing <input type="checkbox"/><br/>             Heat Treat <input type="checkbox"/><br/>             Wave/Twist in Tube <input type="checkbox"/><br/>             Marks/Chatter <input type="checkbox"/> </div> <div>             Temperature/Cure <input type="checkbox"/><br/>             Set-up <input type="checkbox"/><br/>             BOM/Route <input type="checkbox"/><br/>             Broken/Damage/Defect <input type="checkbox"/><br/>             Inspection Incomplete/Unqualified <input type="checkbox"/><br/>             Contamination <input type="checkbox"/><br/>             Countersink <input type="checkbox"/><br/>             Cut Too Short <input type="checkbox"/><br/>             Instructions Incomplete/Unclear <input type="checkbox"/><br/>             Drill Holes <input type="checkbox"/> </div> <div>             Power Loss/Surge <input type="checkbox"/><br/>             Folio/Program <input type="checkbox"/><br/>             Grain <input type="checkbox"/><br/>             Weld <input type="checkbox"/><br/>             Wrong Stock Pulled <input type="checkbox"/><br/>             Out of Sequence <input type="checkbox"/><br/>             Off-set <input type="checkbox"/><br/>             Misabeled <input type="checkbox"/><br/>             Fit/Function <input type="checkbox"/><br/>             Misaligned/off center <input type="checkbox"/> </div> <div>             Positioned Wrong <input type="checkbox"/><br/>             Outside Dimensions <input type="checkbox"/><br/>             Over/Under tolerance <input type="checkbox"/><br/>             Part Incorrect <input type="checkbox"/><br/>             Part Lost/Missing <input type="checkbox"/><br/>             Part Moved <input type="checkbox"/><br/>             Drawing <input type="checkbox"/><br/>             Finish <input type="checkbox"/><br/>             Misread <input type="checkbox"/><br/>             Turning Sequence <input type="checkbox"/> </div> </div> |  | OTHER : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                                                            |  |  |



# Picklist Print

Wednesday, September 06, 2017 3:12:32 PM

Page 6

Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

CR3212-4-4 CR3212-4-04 Purchased No

110 Each 100.0000 1 1

**\*CR3212-4-4\***

**\*\***

CHERRY RIVET

Location

Loc Qty

Loc Code

CCK003

100

m138333

100

CR3212-5-4 Purchased No

110 Each 168.0000 8 8

**\*CR3212-5-4\***

**\*\***

Cherry Rivet

Location

Loc Qty

Loc Code

ST320

168

m138336

168

CR3213-4-05 Purchased No

110 Each 206.0000 26 26

**\*CR3213-4-05\***

**\*\***

RIVET

Location

Loc Qty

Loc Code

ST319

206

m138326

206

CR3213-4-1 Purchased No

110 Each 270.0000 14 14

**\*CR3213-4-1\***

**\*\***

Cherry Rivet

Location

Loc Qty

Loc Code

ST320

270

m138336

270

CR3213-4-2 Purchased No

110 Each 266.0000 18 18

**\*CR3213-4-2\***

**\*\***

Cherry Rivet

Location

Loc Qty

Loc Code

ST320

266

m138336

266

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Shop Packet Print

Page 6

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

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| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |  |  |                                                                                                                                                            |  |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  | <b>MRB (QSI042) Approval</b><br><br>Completed By _____<br><br>Lead hand / Supervisor Approval Verification _____<br><br>QC / QA Coordinator Approval _____ |  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                                                                                                                                                            |  |  |
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| <b>Root Cause</b><br><div style="display: flex; justify-content: space-between;"> <div>           Environment <input type="checkbox"/><br/>           Design <input type="checkbox"/><br/>           Doc/Data <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Pre <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Internal Transport <input type="checkbox"/><br/>           Tribal Knowledge <input type="checkbox"/><br/>           LOA <input type="checkbox"/><br/>           Substation <input type="checkbox"/><br/>           Past Expiry Date <input type="checkbox"/><br/>           Misidentified <input type="checkbox"/> </div> <div>           No Re-verification <input type="checkbox"/><br/>           Operator <input type="checkbox"/><br/>           Offset/Setup <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Training <input type="checkbox"/><br/>           Use for Testing <input type="checkbox"/><br/>           Poor Information <input type="checkbox"/><br/>           Rushing <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Past Due <input type="checkbox"/> </div> </div> |  | <b>FAULT CATEGORY</b><br><div style="display: flex; justify-content: space-between;"> <div>           Pressure/Forced <input type="checkbox"/><br/>           Bending <input type="checkbox"/><br/>           Centre Not Concentric <input type="checkbox"/><br/>           Cracks <input type="checkbox"/><br/>           Crimp/Kink/Ripple/Wave <input type="checkbox"/><br/>           Cuffs <input type="checkbox"/><br/>           Crushing <input type="checkbox"/><br/>           Heat Treat <input type="checkbox"/><br/>           Wave/Twist in Tube <input type="checkbox"/><br/>           Marks/Chatter <input type="checkbox"/> </div> <div>           Temperature/Cure <input type="checkbox"/><br/>           Set-up <input type="checkbox"/><br/>           BOM/Route <input type="checkbox"/><br/>           Broken/Damage/Defect <input type="checkbox"/><br/>           Inspection Incomplete/Unqualified <input type="checkbox"/><br/>           Contamination <input type="checkbox"/><br/>           Countersink <input type="checkbox"/><br/>           Cut Too Short <input type="checkbox"/><br/>           Instructions Incomplete/Unclear <input type="checkbox"/><br/>           Drill Holes <input type="checkbox"/> </div> <div>           Power Loss/Surge <input type="checkbox"/><br/>           Folio/Program <input type="checkbox"/><br/>           Grain <input type="checkbox"/><br/>           Weld <input type="checkbox"/><br/>           Wrong Stock Pulled <input type="checkbox"/><br/>           Out of Sequence <input type="checkbox"/><br/>           Off-set <input type="checkbox"/><br/>           Misabeled <input type="checkbox"/><br/>           Fit/Function <input type="checkbox"/><br/>           Misaligned/off center <input type="checkbox"/> </div> <div>           Positioned Wrong <input type="checkbox"/><br/>           Outside Dimensions <input type="checkbox"/><br/>           Over/Under tolerance <input type="checkbox"/><br/>           Part Incorrect <input type="checkbox"/><br/>           Part Lost/Missing <input type="checkbox"/><br/>           Part Moved <input type="checkbox"/><br/>           Drawing <input type="checkbox"/><br/>           Finish <input type="checkbox"/><br/>           Misread <input type="checkbox"/><br/>           Turning Sequence <input type="checkbox"/> </div> </div> |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                                                            |  |  |
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# Picklist Print

Wednesday, September 06, 2017 3:12:32 PM

Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

|            |           |    |     |      |          |    |    |
|------------|-----------|----|-----|------|----------|----|----|
| CR3213-4-3 | Purchased | No | 110 | Each | 378.0000 | 18 | 18 |
|------------|-----------|----|-----|------|----------|----|----|

**\*CR3213-4-3\***

**\*\***

Rivet, Cherry

Location

Loc Qty

Loc Code

GA

92

m136042

92

ST319

286

m138326

286

|            |           |    |     |      |          |    |    |
|------------|-----------|----|-----|------|----------|----|----|
| CR3213-4-4 | Purchased | No | 110 | Each | 390.0000 | 19 | 19 |
|------------|-----------|----|-----|------|----------|----|----|

**\*CR3213-4-4\***

**\*\***

Rivet, Cherry

Location

Loc Qty

Loc Code

CCK003

390

m138333

390

|            |           |    |     |      |          |    |    |
|------------|-----------|----|-----|------|----------|----|----|
| CR3213-4-6 | Purchased | No | 110 | Each | 353.0000 | 20 | 20 |
|------------|-----------|----|-----|------|----------|----|----|

**\*CR3213-4-6\***

**\*\***

Rivet

Location

Loc Qty

Loc Code

ST319

353

M138333

353

|            |            |           |    |     |      |        |    |    |
|------------|------------|-----------|----|-----|------|--------|----|----|
| MS21042-08 | MS21042L08 | Purchased | No | 110 | Each | 0.0000 | 54 | 54 |
|------------|------------|-----------|----|-----|------|--------|----|----|

**\*MS21042-08\***

**\*\***

USE MS21042L08

|           |           |           |    |     |      |        |    |    |
|-----------|-----------|-----------|----|-----|------|--------|----|----|
| MS21042-3 | MS21042L3 | Purchased | No | 110 | Each | 0.0000 | 17 | 17 |
|-----------|-----------|-----------|----|-----|------|--------|----|----|

**\*MS21042-3\***

**\*\***

Nut

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                |                                                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               |                                           |                                              |                                                                                                                    |                                               |                                                |                                             |
|--------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|---------------------------------------------|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ |                                                | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> |                                                            | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |                                               |                                           |                                              |                                                                                                                    |                                               |                                                |                                             |
| Date :                                                       |                                                | Step #:                                                                                                                                                                            |                                                            | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               |                                           | MRB (QSI042) Approval                        |                                                                                                                    |                                               |                                                |                                             |
| Description Work Order Deviation                             |                                                |                                                                                                                                                                                    |                                                            | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                               |                                           |                                              | Completed By<br><br><br>Lead hand / Supervisor<br>Approval Verification<br><br><br>QC / QA Coordinator<br>Approval |                                               |                                                |                                             |
|                                                              |                                                |                                                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               |                                           |                                              |                                                                                                                    |                                               |                                                |                                             |
|                                                              |                                                |                                                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               |                                           |                                              |                                                                                                                    |                                               |                                                |                                             |
| Root Cause                                                   |                                                | FAULT CATEGORY                                                                                                                                                                     |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               |                                           |                                              |                                                                                                                    |                                               |                                                |                                             |
| Environment <input type="checkbox"/>                         | No Re-verification <input type="checkbox"/>    | Pressure/Forced <input type="checkbox"/>                                                                                                                                           | Temperature/Cure <input type="checkbox"/>                  | Power Loss/Surge <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Positioned Wrong <input type="checkbox"/>     | Design <input type="checkbox"/>           | Operator <input type="checkbox"/>            | Bending <input type="checkbox"/>                                                                                   | Set-up <input type="checkbox"/>               | Folio/Program <input type="checkbox"/>         | Outside Dimensions <input type="checkbox"/> |
| Doc/Data <input type="checkbox"/>                            | Offset/Setup <input type="checkbox"/>          | Centre Not Concentric <input type="checkbox"/>                                                                                                                                     | BOM/Route <input type="checkbox"/>                         | Grain <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Over/Under tolerance <input type="checkbox"/> | Equip/Tooling <input type="checkbox"/>    | Supplier <input type="checkbox"/>            | Cracks <input type="checkbox"/>                                                                                    | Broken/Damage/Defect <input type="checkbox"/> | Weld <input type="checkbox"/>                  | Part Incorrect <input type="checkbox"/>     |
| Handling/Pre <input type="checkbox"/>                        | Training <input type="checkbox"/>              | Crimp/Kink/Ripple/Wave <input type="checkbox"/>                                                                                                                                    | Inspection Incomplete/Unqualified <input type="checkbox"/> | Wrong Stock Pulled <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Part Lost/Missing <input type="checkbox"/>    | Material <input type="checkbox"/>         | Use for Testing <input type="checkbox"/>     | Cuffs <input type="checkbox"/>                                                                                     | Contamination <input type="checkbox"/>        | Out of Sequence <input type="checkbox"/>       | Part Moved <input type="checkbox"/>         |
| Internal Transport <input type="checkbox"/>                  | Poor Information <input type="checkbox"/>      | Crushing <input type="checkbox"/>                                                                                                                                                  | Countersink <input type="checkbox"/>                       | Off-set <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Drawing <input type="checkbox"/>              | Tribal Knowledge <input type="checkbox"/> | Rushing <input type="checkbox"/>             | Heat Treat <input type="checkbox"/>                                                                                | Cut Too Short <input type="checkbox"/>        | Mislabeled <input type="checkbox"/>            | Finish <input type="checkbox"/>             |
| LOA <input type="checkbox"/>                                 | Product Improvement <input type="checkbox"/>   | Wave/Twist in Tube <input type="checkbox"/>                                                                                                                                        | Instructions Incomplete/Unclear <input type="checkbox"/>   | Fit/Function <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Misread <input type="checkbox"/>              | Substation <input type="checkbox"/>       | Process Improvement <input type="checkbox"/> | Marks/Chatter <input type="checkbox"/>                                                                             | Drill Holes <input type="checkbox"/>          | Misaligned/off center <input type="checkbox"/> | Turning Sequence <input type="checkbox"/>   |
| Past Expiry Date <input type="checkbox"/>                    | Manufacturing Process <input type="checkbox"/> | OTHER : _____                                                                                                                                                                      |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               |                                           |                                              |                                                                                                                    |                                               |                                                |                                             |
| Misidentified <input type="checkbox"/>                       | Past Due <input type="checkbox"/>              |                                                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                               |                                           |                                              |                                                                                                                    |                                               |                                                |                                             |



# Picklist Print

Page 8

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Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

MS21047-3 Purchased No

110 Each 81.0000 6 6

**\*MS21047-3\*****\*\***

Nut Plate

LocationLoc QtyLoc Code

ST301

81

m138040

81

MS21059-3 Purchased No

110 Each 395.0000 2 2

**\*MS21059-3\*****\*\***

Nut Plate

LocationLoc QtyLoc Code

ST301

395

123023

12

123900

383

MS21059L08 Purchased No

110 Each 162.0000 4 4

**\*MS21059L08\*****\*\***

Nut

LocationLoc QtyLoc Code

ST300

162

m136554

62

m138326

100

MS24694-S8 Purchased No

110 Each 169.0000 5 5

**\*MS24694-S8\*****\*\***

Screw

LocationLoc QtyLoc Code

ST285

169

M134654

19

M138333

150

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Shop Packet Print

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DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                   |                                                 |  |
|--------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |  |  |                                                                                                                   |                                                 |  |
| Date :                                                       |  | Step #:                                                                                                                                                                            |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  | <b>MRB (QSI042) Approval</b><br><br><div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div> |                                                 |  |
| Description Work Order Deviation                             |  |                                                                                                                                                                                    |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                                                                                                                   |                                                 |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                   |                                                 |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                   |                                                 |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                   | Completed By                                    |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                   | Lead hand / Supervisor<br>Approval Verification |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                   | QC / QA Coordinator<br>Approval                 |  |

| Root Cause                                  |                          |                       |                          | FAULT CATEGORY         |                          |                                   |                          |
|---------------------------------------------|--------------------------|-----------------------|--------------------------|------------------------|--------------------------|-----------------------------------|--------------------------|
| Environment <input type="checkbox"/>        | <input type="checkbox"/> | No Re-verification    | <input type="checkbox"/> | Pressure/Forced        | <input type="checkbox"/> | Temperature/Cure                  | <input type="checkbox"/> |
| Design <input type="checkbox"/>             | <input type="checkbox"/> | Operator              | <input type="checkbox"/> | Bending                | <input type="checkbox"/> | Set-up                            | <input type="checkbox"/> |
| Doc/Data <input type="checkbox"/>           | <input type="checkbox"/> | Offset/Setup          | <input type="checkbox"/> | Centre Not Concentric  | <input type="checkbox"/> | BOM/Route                         | <input type="checkbox"/> |
| Equip/Tooling <input type="checkbox"/>      | <input type="checkbox"/> | Supplier              | <input type="checkbox"/> | Cracks                 | <input type="checkbox"/> | Broken/Damage/Defect              | <input type="checkbox"/> |
| Handling/Pre <input type="checkbox"/>       | <input type="checkbox"/> | Training              | <input type="checkbox"/> | Crimp/Kink/Ripple/Wave | <input type="checkbox"/> | Inspection Incomplete/Unqualified | <input type="checkbox"/> |
| Material <input type="checkbox"/>           | <input type="checkbox"/> | Use for Testing       | <input type="checkbox"/> | Cuffs                  | <input type="checkbox"/> | Contamination                     | <input type="checkbox"/> |
| Internal Transport <input type="checkbox"/> | <input type="checkbox"/> | Poor Information      | <input type="checkbox"/> | Crushing               | <input type="checkbox"/> | Countersink                       | <input type="checkbox"/> |
| Tribal Knowledge <input type="checkbox"/>   | <input type="checkbox"/> | Rushing               | <input type="checkbox"/> | Heat Treat             | <input type="checkbox"/> | Cut Too Short                     | <input type="checkbox"/> |
| LOA <input type="checkbox"/>                | <input type="checkbox"/> | Product Improvement   | <input type="checkbox"/> | Wave/Twist in Tube     | <input type="checkbox"/> | Instructions Incomplete/Unclear   | <input type="checkbox"/> |
| Substation <input type="checkbox"/>         | <input type="checkbox"/> | Process Improvement   | <input type="checkbox"/> | Marks/Chatter          | <input type="checkbox"/> | Drill Holes                       | <input type="checkbox"/> |
| Past Expiry Date <input type="checkbox"/>   | <input type="checkbox"/> | Manufacturing Process | <input type="checkbox"/> | OTHER : _____          |                          |                                   |                          |
| Misidentified <input type="checkbox"/>      | <input type="checkbox"/> | Past Due              | <input type="checkbox"/> |                        |                          |                                   |                          |

# Picklist Print

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Page 9

Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-06

Purchased

No

110

Each

214.0000

4

4

**\*MS27039-08-06\***

**\*\***

Screw

Location

Loc Qty

Loc Code

ST278

214

m126249

14

m138326

200

MS27039-08-09

Purchased

No

110

Each

137.0000

4

4

**\*MS27039-08-09\***

**\*\***

Screw

Location

Loc Qty

Loc Code

ST278

137

m135536

12

m138333

125

MS27039-08-11

Purchased

No

110

Each

1,488.000

43

43

**\*MS27039-08-11\***

**\*\***

SCREW

Location

Loc Qty

Loc Code

over006

1000

m138336

1000

ST278

488

m138336

488

MS27039-08-12

Purchased

No

110

Each

88.0000

2

2

**\*MS27039-08-12\***

**\*\***

Screw

Location

Loc Qty

Loc Code

ST278

88

124326

88

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                   |  |  |
|--------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------------------------------------------|--|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> |  | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |  |  |                                                                                                                   |  |  |
| Date :                                                       |  | Step #:                                                                                                                                                                            |  | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  | <b>MRB (QSI042) Approval</b><br><br><div style="border: 1px solid black; height: 150px; margin-top: 10px;"></div> |  |  |
| Description Work Order Deviation                             |  |                                                                                                                                                                                    |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |                                                                                                                   |  |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                   |  |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |                                                                                                                   |  |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  | Completed By                                                                                                      |  |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  | Lead hand / Supervisor<br>Approval Verification                                                                   |  |  |
|                                                              |  |                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  | QC / QA Coordinator<br>Approval                                                                                   |  |  |

| Root Cause                                  |  |                                                |  | FAULT CATEGORY                                  |  |                                                            |  |
|---------------------------------------------|--|------------------------------------------------|--|-------------------------------------------------|--|------------------------------------------------------------|--|
| Environment <input type="checkbox"/>        |  | No Re-verification <input type="checkbox"/>    |  | Pressure/Forced <input type="checkbox"/>        |  | Temperature/Cure <input type="checkbox"/>                  |  |
| Design <input type="checkbox"/>             |  | Operator <input type="checkbox"/>              |  | Bending <input type="checkbox"/>                |  | Set-up <input type="checkbox"/>                            |  |
| Doc/Data <input type="checkbox"/>           |  | Offset/Setup <input type="checkbox"/>          |  | Centre Not Concentric <input type="checkbox"/>  |  | BOM/Route <input type="checkbox"/>                         |  |
| Equip/Tooling <input type="checkbox"/>      |  | Supplier <input type="checkbox"/>              |  | Cracks <input type="checkbox"/>                 |  | Broken/Damage/Defect <input type="checkbox"/>              |  |
| Handling/Pre <input type="checkbox"/>       |  | Training <input type="checkbox"/>              |  | Crimp/Kink/Ripple/Wave <input type="checkbox"/> |  | Inspection Incomplete/Unqualified <input type="checkbox"/> |  |
| Material <input type="checkbox"/>           |  | Use for Testing <input type="checkbox"/>       |  | Cuffs <input type="checkbox"/>                  |  | Contamination <input type="checkbox"/>                     |  |
| Internal Transport <input type="checkbox"/> |  | Poor Information <input type="checkbox"/>      |  | Crushing <input type="checkbox"/>               |  | Countersink <input type="checkbox"/>                       |  |
| Tribal Knowledge <input type="checkbox"/>   |  | Rushing <input type="checkbox"/>               |  | Heat Treat <input type="checkbox"/>             |  | Cut Too Short <input type="checkbox"/>                     |  |
| LOA <input type="checkbox"/>                |  | Product Improvement <input type="checkbox"/>   |  | Wave/Twist in Tube <input type="checkbox"/>     |  | Instructions Incomplete/Unclear <input type="checkbox"/>   |  |
| Substation <input type="checkbox"/>         |  | Process Improvement <input type="checkbox"/>   |  | Marks/Chatter <input type="checkbox"/>          |  | Drill Holes <input type="checkbox"/>                       |  |
| Past Expiry Date <input type="checkbox"/>   |  | Manufacturing Process <input type="checkbox"/> |  | OTHER : _____                                   |  |                                                            |  |
| Misidentified <input type="checkbox"/>      |  | Past Due <input type="checkbox"/>              |  |                                                 |  |                                                            |  |



# Picklist Print

Wednesday, September 06, 2017 3:12:32 PM

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Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

MS27039-08-13

Purchased

No

110

Each

160.0000

6

6

**\*MS27039-08-13\***

**\*\***

Screw

Location

Loc Qty

Loc Code

ST278

160

153849

160

MS27039-1-08

Purchased

No

110

Each

281.0000

5

5

**\*MS27039-1-08\***

**\*\***

Screw

Location

Loc Qty

Loc Code

FP001

234

m137361

26

m138209

208

GA

22

m128636

22

ST281

25

m137820

25

MS27039-1-11

Purchased

No

110

Each

226.0000

5

5

**\*MS27039-1-11\***

**\*\***

Screw

Location

Loc Qty

Loc Code

ST280

226

m137544

26

m138326

200

MS35842-11

Purchased

No

110

Each

36.0000

1

1

**\*MS35842-11\***

**\*\***

Hose Clamp

Location

Loc Qty

Loc Code

ST545

36

m134943

6

m138326

30

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Shop Packet Print

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DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                                |                                                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |  |  |                                                                                                                                                     |  |
|--------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ |                                                | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> |                                                            | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>             Skid-tube <input type="checkbox"/><br/>             Machining <input type="checkbox"/><br/>             Thermoforming <input type="checkbox"/><br/>             Large Fab <input type="checkbox"/> </div> <div>             Cross tube <input type="checkbox"/><br/>             Small Fab <input type="checkbox"/><br/>             Finishing <input type="checkbox"/><br/>             Composite <input type="checkbox"/> </div> <div>             Water Jet <input type="checkbox"/><br/>             Prod. Eng. Coord. <input type="checkbox"/><br/>             Rec/Store/Packaging <input type="checkbox"/><br/>             Supplier <input type="checkbox"/> </div> <div>             Engineering <input type="checkbox"/><br/>             Quality <input type="checkbox"/><br/>             Other <input type="checkbox"/> </div> </div> |                                               |  |  |                                                                                                                                                     |  |
| Date :                                                       |                                                | Step #:                                                                                                                                                                            |                                                            | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |  |  | MRB (QSI042) Approval<br><br><br>Completed By<br><br><br>Lead hand / Supervisor<br>Approval Verification<br><br><br>QC / QA Coordinator<br>Approval |  |
| Description Work Order Deviation                             |                                                |                                                                                                                                                                                    |                                                            | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                               |  |  |                                                                                                                                                     |  |
|                                                              |                                                |                                                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |  |  |                                                                                                                                                     |  |
|                                                              |                                                |                                                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |  |  |                                                                                                                                                     |  |
| Root Cause                                                   |                                                | FAULT CATEGORY                                                                                                                                                                     |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |  |  |                                                                                                                                                     |  |
| Environment <input type="checkbox"/>                         | No Re-verification <input type="checkbox"/>    | Pressure/Forced <input type="checkbox"/>                                                                                                                                           | Temperature/Cure <input type="checkbox"/>                  | Power Loss/Surge <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Positioned Wrong <input type="checkbox"/>     |  |  |                                                                                                                                                     |  |
| Design <input type="checkbox"/>                              | Operator <input type="checkbox"/>              | Bending <input type="checkbox"/>                                                                                                                                                   | Set-up <input type="checkbox"/>                            | Folio/Program <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Outside Dimensions <input type="checkbox"/>   |  |  |                                                                                                                                                     |  |
| Doc/Data <input type="checkbox"/>                            | Offset/Setup <input type="checkbox"/>          | Centre Not Concentric <input type="checkbox"/>                                                                                                                                     | BOM/Route <input type="checkbox"/>                         | Grain <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Over/Under tolerance <input type="checkbox"/> |  |  |                                                                                                                                                     |  |
| Equip/Tooling <input type="checkbox"/>                       | Supplier <input type="checkbox"/>              | Cracks <input type="checkbox"/>                                                                                                                                                    | Broken/Damage/Defect <input type="checkbox"/>              | Weld <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Part Incorrect <input type="checkbox"/>       |  |  |                                                                                                                                                     |  |
| Handling/Pre <input type="checkbox"/>                        | Training <input type="checkbox"/>              | Crimp/Kink/Ripple/Wave <input type="checkbox"/>                                                                                                                                    | Inspection Incomplete/Unqualified <input type="checkbox"/> | Wrong Stock Pulled <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Part Lost/Missing <input type="checkbox"/>    |  |  |                                                                                                                                                     |  |
| Material <input type="checkbox"/>                            | Use for Testing <input type="checkbox"/>       | Cuffs <input type="checkbox"/>                                                                                                                                                     | Contamination <input type="checkbox"/>                     | Out of Sequence <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Part Moved <input type="checkbox"/>           |  |  |                                                                                                                                                     |  |
| Internal Transport <input type="checkbox"/>                  | Poor Information <input type="checkbox"/>      | Crushing <input type="checkbox"/>                                                                                                                                                  | Countersink <input type="checkbox"/>                       | Off-set <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Drawing <input type="checkbox"/>              |  |  |                                                                                                                                                     |  |
| Tribal Knowledge <input type="checkbox"/>                    | Rushing <input type="checkbox"/>               | Heat Treat <input type="checkbox"/>                                                                                                                                                | Cut Too Short <input type="checkbox"/>                     | Mislabeled <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Finish <input type="checkbox"/>               |  |  |                                                                                                                                                     |  |
| LOA <input type="checkbox"/>                                 | Product Improvement <input type="checkbox"/>   | Wave/Twist in Tube <input type="checkbox"/>                                                                                                                                        | Instructions Incomplete/Unclear <input type="checkbox"/>   | Fit/Function <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Misread <input type="checkbox"/>              |  |  |                                                                                                                                                     |  |
| Substation <input type="checkbox"/>                          | Process Improvement <input type="checkbox"/>   | Marks/Chatter <input type="checkbox"/>                                                                                                                                             | Drill Holes <input type="checkbox"/>                       | Misaligned/off center <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Turning Sequence <input type="checkbox"/>     |  |  |                                                                                                                                                     |  |
| Past Expiry Date <input type="checkbox"/>                    | Manufacturing Process <input type="checkbox"/> | OTHER : _____                                                                                                                                                                      |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |  |  |                                                                                                                                                     |  |
| Misidentified <input type="checkbox"/>                       | Past Due <input type="checkbox"/>              |                                                                                                                                                                                    |                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                               |  |  |                                                                                                                                                     |  |

# Picklist Print

Wednesday, September 06, 2017 3:12:32 PM

Work Order ID: 165974

**\*165974\***

Parent Item: 646.9502

**\*646 9502\***

Parent Item Name: 206A/B/L-Series Cable Cutter System, Low

Start Date: 9/6/2017

Required Date: 9/13/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149F0332P

Purchased

No

110

Each

1,449.000

62

62

**\*NAS1149F0332P\***

**\*\***

Washer

Location

Loc Qty

Loc Code

GA

125

m133709

125

ST262

1324

m138209

1324

NAS1149FN832P

Purchased

No

110

Each

4,840.000

111

111

**\*NAS1149FN832P\***

**\*\***

Washer

Location

Loc Qty

Loc Code

GA

2967

M137820

467

M138336

2500

ST263

1873

M138336

1873

NAS1835-08

Purchased

No

110

Each

140.0000

4

4

**\*NAS1835-08\***

**\*\***

Insert

Location

Loc Qty

Loc Code

st549

140

m138336

140

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                      | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Step #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | MRB (QSI042) Approval                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Completed By                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Lead hand / Supervisor Approval Verification                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | QC / QA Coordinator Approval                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Root Cause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FAULT CATEGORY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Environment <input type="checkbox"/><br>Design <input type="checkbox"/><br>Doc/Data <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Pre <input type="checkbox"/><br>Material <input type="checkbox"/><br>Internal Transport <input type="checkbox"/><br>Tribal Knowledge <input type="checkbox"/><br>LOA <input type="checkbox"/><br>Substation <input type="checkbox"/><br>Past Expiry Date <input type="checkbox"/><br>Misidentified <input type="checkbox"/> | No Re-verification <input type="checkbox"/><br>Operator <input type="checkbox"/><br>Offset/Setup <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Training <input type="checkbox"/><br>Use for Testing <input type="checkbox"/><br>Poor Information <input type="checkbox"/><br>Rushing <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Past Due <input type="checkbox"/> | Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Centre Not Concentric <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave <input type="checkbox"/><br>Cuffs <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Heat Treat <input type="checkbox"/><br>Wave/Twist in Tube <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Temperature/Cure <input type="checkbox"/><br>Set-up <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Inspection Incomplete/Unqualified <input type="checkbox"/><br>Contamination <input type="checkbox"/><br>Countersink <input type="checkbox"/><br>Cut Too Short <input type="checkbox"/><br>Instructions Incomplete/Unclear <input type="checkbox"/><br>Drill Holes <input type="checkbox"/> | Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set <input type="checkbox"/><br>Misabeled <input type="checkbox"/><br>Fit/Function <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/> | Positioned Wrong <input type="checkbox"/><br>Outside Dimensions <input type="checkbox"/><br>Over/Under tolerance <input type="checkbox"/><br>Part Incorrect <input type="checkbox"/><br>Part Lost/Missing <input type="checkbox"/><br>Part Moved <input type="checkbox"/><br>Drawing <input type="checkbox"/><br>Finish <input type="checkbox"/><br>Misread <input type="checkbox"/><br>Turning Sequence <input type="checkbox"/> |
| <input type="checkbox"/> OTHER : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                   |

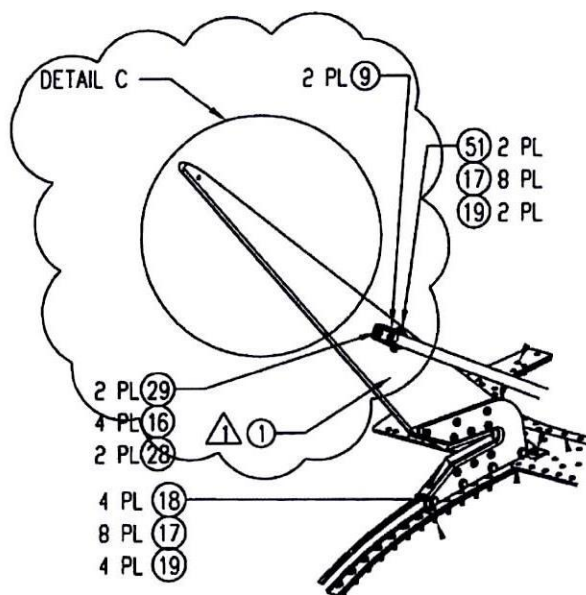


|                                                                               |                                      |                                                                                      |                        |                |                                                                                           |  |
|-------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------|------------------------|----------------|-------------------------------------------------------------------------------------------|--|
| <h1 style="margin: 0;">APICAL</h1> <p style="margin: 0;">INDUSTRIES, INC.</p> | ENGINEERING CHANGE NOTICE NO. 03047  |                                                                                      |                        |                | SHEET 1 OF 1                                                                              |  |
|                                                                               | DWG NO. 646.9500                     | REV: NC                                                                              | PREPARED BY J. JACKSON | DATE: 01/24/11 | EFFECT ON DWG<br><input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC. |  |
|                                                                               | DWG TITLE: 206 CABLE CUTTERS KIT     |                                                                                      |                        |                |                                                                                           |  |
|                                                                               | APPROVED BY: ENGR <i>[Signature]</i> |                                                                                      | MFG <i>[Signature]</i> |                | QC <i>[Signature]</i>                                                                     |  |
| TRANSACTION CODES (TC):<br>A-ADD C-CREATE<br>R-REVISE D-DELETE                |                                      | REASON: ADDED GPS MOUNT KIT, F/N 52. REVISED DRAWING VIEWS.<br>ADDED NOTE <u>2</u> . |                        |                |                                                                                           |  |
| EFF: NEXT ORDER                                                               |                                      |                                                                                      |                        |                |                                                                                           |  |

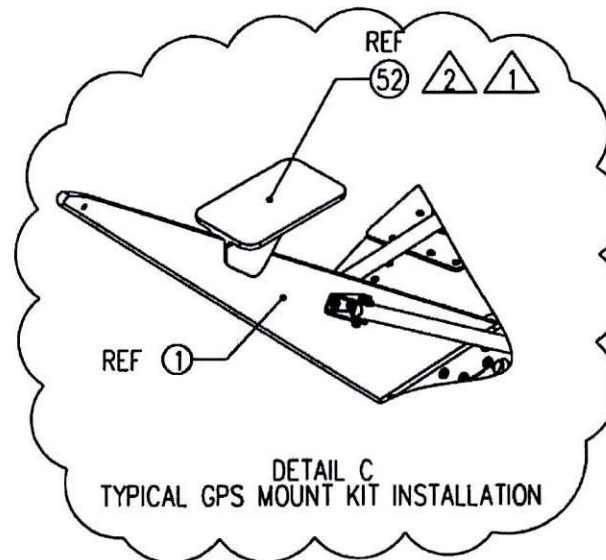
SHEET 1, ZONE B1 IS:

2 AT CUSTOMERS OPTION, INSTALL F/N 52 BY MATCH DRILLING ONTO F/N 1.

SHEET 2, ZONE A3 IS:



SHEET 2, ZONE B2 IS:



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WITHOUT NOTICE  
WORK ORDER  
NO. 145062 / 165974  
WY 8/14/17

|                                                                                                                                            |    |             |       |       |               |                                                                          |                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|-------|-------|---------------|--------------------------------------------------------------------------|---------------------------------------------------------------------|
| 52                                                                                                                                         | A  | 647.5701    | REF   | REF   | GPS MOUNT KIT | <u>2</u>                                                                 |                                                                     |
| F/N                                                                                                                                        | TC | PART NUMBER | .9502 | .9501 | DESCRIPTION   | MATERIAL                                                                 | SPECIFICATION                                                       |
|                                                                                                                                            |    |             | QTY   |       |               |                                                                          |                                                                     |
| DOCUMENTS EFFECTED:                                                                                                                        |    |             |       |       |               | CHANGE CATEGORY                                                          | DER REVIEW REQUIRED                                                 |
| <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input checked="" type="checkbox"/> BOM |    |             |       |       |               | <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

|                                                                |                                     |                                     |                        |                       |                                                                                           |  |
|----------------------------------------------------------------|-------------------------------------|-------------------------------------|------------------------|-----------------------|-------------------------------------------------------------------------------------------|--|
| APICAL<br>INDUSTRIES, INC.                                     | ENGINEERING CHANGE NOTICE NO. 02736 |                                     |                        |                       | SHEET 1 OF 1                                                                              |  |
|                                                                | DWG NO. 646.9500                    | REV: N/C                            | PREPARED BY S. HUFF    | DATE: 01/06/10        | EFFECT ON DWG<br><input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC. |  |
|                                                                | DWG TITLE: 206 CABLE CUTTERS KIT    |                                     |                        |                       |                                                                                           |  |
| APPROVED BY:                                                   |                                     | ENGR <i>[Signature]</i>             | MFG <i>[Signature]</i> | QC <i>[Signature]</i> | EFF: CURRENT ORDER                                                                        |  |
| TRANSACTION CODES (TC):<br>A-ADD C-CREATE<br>R-REVISE D-DELETE |                                     | REASON: CORRECTED PARTS LIST ERRORS |                        |                       |                                                                                           |  |

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WORK ORDER  
NO. *165060 165974*  
*LM 8/14/17*

| 17                                                                                                                                                                                                                | R  | 601.1607    | 62   | 62   | WASHER      | NAS1149F0332P                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|------|------|-------------|------------------------------------------------------------------------------------------|
| 16                                                                                                                                                                                                                | R  | 601.2764    | 111  | 111  | WASHER      | NAS1149FN832P                                                                            |
|                                                                                                                                                                                                                   |    |             | 9502 | 9501 |             |                                                                                          |
| F/N                                                                                                                                                                                                               | TC | PART NUMBER | QTY  |      | DESCRIPTION | MATERIAL/SPECIFICATION                                                                   |
| DOCUMENTS EFFECTED: <input type="checkbox"/> MDL <input checked="" type="checkbox"/> INSTALL INSTRUC <input checked="" type="checkbox"/> ICA <input type="checkbox"/> FMS <input checked="" type="checkbox"/> BOM |    |             |      |      |             | CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR |
|                                                                                                                                                                                                                   |    |             |      |      |             | DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |

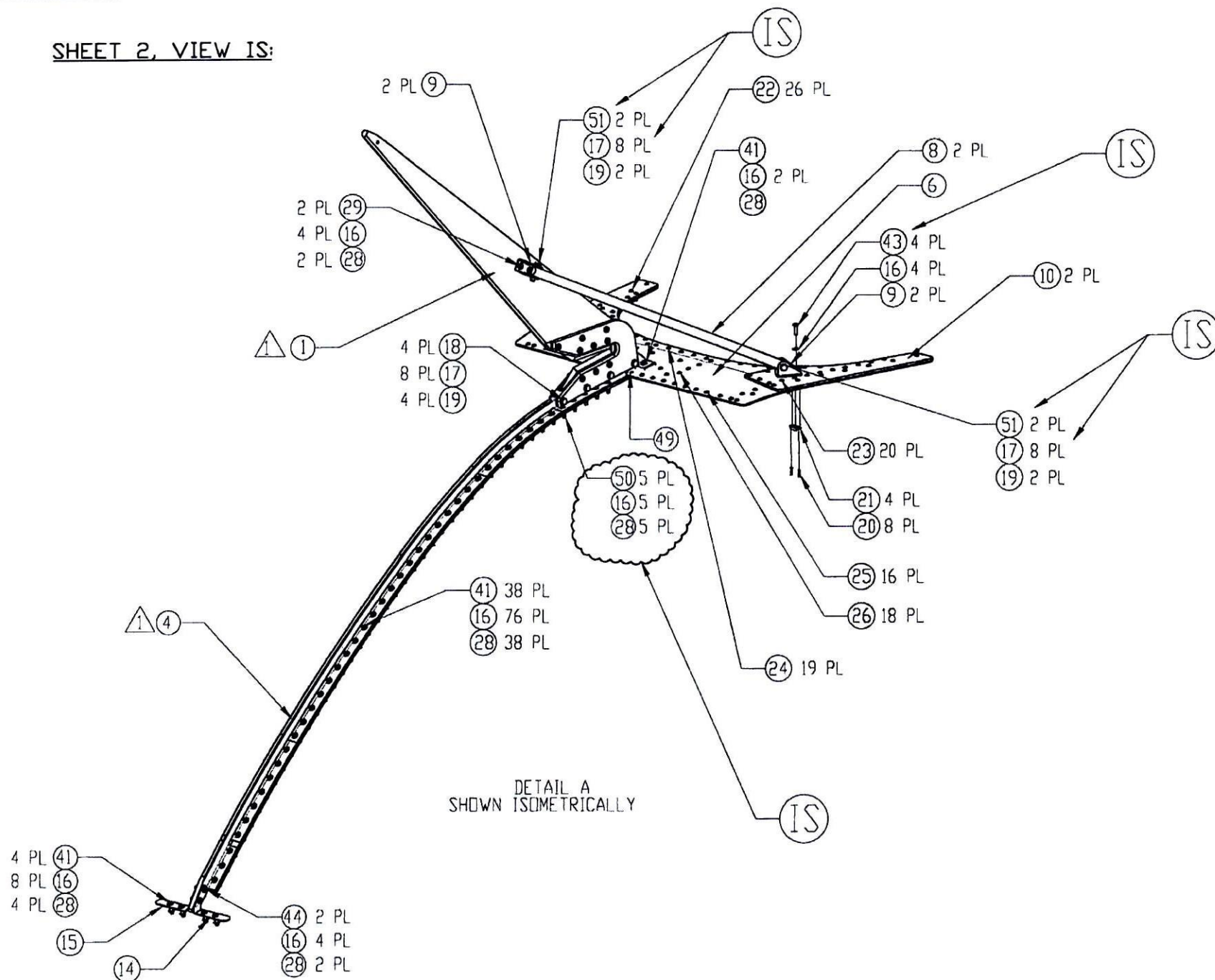
|                                                               |                                     |                                               |                        |                       |                                                                                           |  |
|---------------------------------------------------------------|-------------------------------------|-----------------------------------------------|------------------------|-----------------------|-------------------------------------------------------------------------------------------|--|
| <b>APICAL</b><br>INDUSTRIES, INC.                             | ENGINEERING CHANGE NOTICE NO. 02729 |                                               |                        |                       | SHEET 1 OF 3                                                                              |  |
|                                                               | DWG NO. 646.9500                    | REV: N/C                                      | PREPARED BY S. HUFF    | DATE: 12/23/09        | EFFECT ON DWG<br><input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC. |  |
|                                                               | DWG TITLE: 206 CABLE CUTTERS KIT    |                                               |                        |                       |                                                                                           |  |
| APPROVED BY:                                                  |                                     | ENGR <i>[Signature]</i>                       | DEG <i>[Signature]</i> | QC <i>[Signature]</i> | EFF: CURRENT ORDER                                                                        |  |
| TRANSACTION CODES (TC)<br>A-ADD C-CREATE<br>R-REVISE D-DELETE |                                     | REASON: HARDWARE REVISIONS FROM FIRST INSTALL |                        |                       |                                                                                           |  |

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 WITHOUT NOTICE  
 WORK ORDER  
 NO. ~~468060~~ 165974  
 CM 8/14/17

|                                                                                                                                                                                               |    |             |      |      |             |                                                                          |                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|------|------|-------------|--------------------------------------------------------------------------|---------------------------------------------------------------------|
| 51                                                                                                                                                                                            | A  | 601.3155    | 8    | 8    | BOLT        | AN3-10A                                                                  |                                                                     |
| 50                                                                                                                                                                                            | A  | 601.3153    | 5    | 5    | SCREW       | MS24694S8                                                                |                                                                     |
| 41                                                                                                                                                                                            | R  | 601.2893    | 43   | 43   | SCREW       | MS27039-0811                                                             |                                                                     |
| 28                                                                                                                                                                                            | R  | 601.2973    | 54   | 54   | LOCKNUT     | MS21042-08                                                               |                                                                     |
| 18                                                                                                                                                                                            | R  | 601.2826    | 8    | 8    | BOLT        | AN3-11A                                                                  |                                                                     |
| 16                                                                                                                                                                                            | R  | 601.2764    | 127  | 127  | WASHER      | NAS1149FN832P                                                            |                                                                     |
|                                                                                                                                                                                               |    |             | 9502 | 9501 |             |                                                                          |                                                                     |
| F/N                                                                                                                                                                                           | TC | PART NUMBER | QTY  |      | DESCRIPTION | MATERIAL/SPECIFICATION                                                   |                                                                     |
| DOCUMENTS EFFECTED:                                                                                                                                                                           |    |             |      |      |             | CHANGE CATEGORY                                                          | DER REVIEW REQUIRED                                                 |
| <input type="checkbox"/> MDL <input checked="" type="checkbox"/> INSTALL INSTRUC <input checked="" type="checkbox"/> ICA <input type="checkbox"/> FMS <input checked="" type="checkbox"/> BOM |    |             |      |      |             | <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |



SHEET 2, VIEW IS:

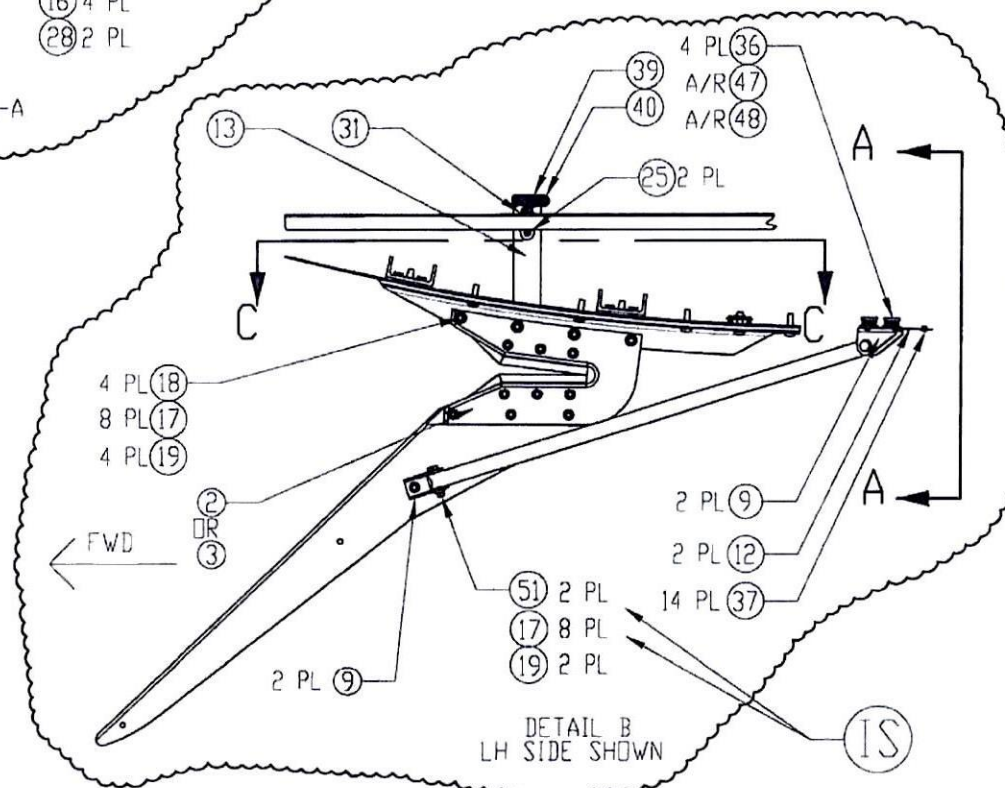




SHEET 3, ZONE B2, IS:



SHEET 3, ZONE D2, IS:



DETAIL B  
LH SIDE SHOWN

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

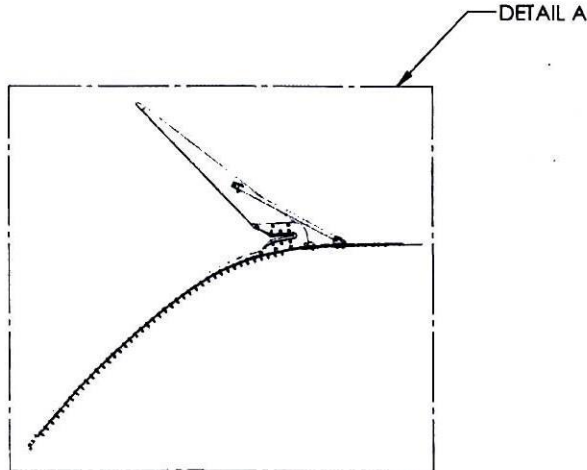
# NOTES:

△ AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

## UNINCORPORATED ECN(S)

02729, 02736, 03047

| REVISIONS |                             |          |          |
|-----------|-----------------------------|----------|----------|
| REV       | DESCRIPTION                 | DATE     | APPROVED |
| 1         | LAST PROTOTYPE REVISION PFC |          | HYC      |
| 2         | FINAL RELEASE               | 04/03/09 | P. BRAYO |



DETAIL B

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT

WITHOUT NOTICE  
WORK ORDER

NO. 165734

W 8/14/17

| 1   | 1   | 49 | 601.1066 | RIVET                      | CR3212-4-4      |  |
|-----|-----|----|----------|----------------------------|-----------------|--|
| 1   | 1   | 48 | 600.0991 | MAGNIBOND 63RB PART B      |                 |  |
| 1   | 1   | 47 | 600.0990 | MAGNIBOND 63RB PART A      |                 |  |
| 1   | 1   | 46 | 600.1012 | SEALANT                    | PP-1425 CLASS B |  |
| 5   | 5   | 45 | 601.1949 | SCREW                      | MS27039-1-11    |  |
| 2   | 2   | 44 | 601.2989 | SCREW                      | MS27039-0812    |  |
| 4   | 4   | 43 | 601.2987 | SCREW                      | MS27039-0809    |  |
| 4   | 4   | 42 | 601.3000 | SCREW                      | MS27039-0806    |  |
| 1   | 1   | 41 | 601.2893 | SCREW                      | MS27039-0811    |  |
| 1   | 1   | 40 | 601.2982 | HOSE CLAMP                 | MS35842-11      |  |
| 1   | 1   | 39 | 647.1210 | SCREEN                     |                 |  |
| 5   | 5   | 38 | 601.1621 | SCREW                      | MS27039-1-08    |  |
| 14  | 14  | 37 | 601.2979 | RIVET                      | CR3213-4-1      |  |
| 4   | 4   | 36 | 601.2984 | INSERT                     | NAS1835-08      |  |
| 4   | 4   | 35 | 601.2277 | RIVET                      | CCP2455-3-07    |  |
| 8   | 8   | 34 | 601.2983 | RIVET                      | CR3213-5-4      |  |
| 12  | 12  | 33 | 601.2980 | NUTPLATE RIVET             | CCP2455-3-04    |  |
| 1   | 1   | 32 | 601.2822 | BOLT                       | AN3-3A          |  |
| 1   | 1   | 31 | 601.2985 | BRACKET                    | AN743-13        |  |
| 2   | 2   | 30 | 601.1900 | NUTPLATE                   | MS21059-3       |  |
| 6   | 6   | 29 | 601.2988 | SCREW                      | MS27039-0813    |  |
| 53  | 53  | 28 | 601.2973 | LOCKNUT                    | MS21042-08      |  |
| 6   | 6   | 27 | 600.0795 | NUTPLATE                   | MS21047-3       |  |
| 18  | 18  | 26 | 601.0790 | RIVET                      | CR3213-4-3      |  |
| 18  | 18  | 25 | 601.1039 | RIVET                      | CR3213-4-2      |  |
| 19  | 19  | 24 | 601.1915 | RIVET                      | CR3213-4-4      |  |
| 20  | 20  | 23 | 601.2991 | RIVET                      | CR3213-4-6      |  |
| 26  | 26  | 22 | 601.1183 | RIVET                      | CR3213-4-5      |  |
| 4   | 4   | 21 | 601.2356 | NUTPLATE                   | MS21059-08      |  |
| 8   | 8   | 20 | 601.2981 | NUTPLATE RIVET             | CCP2455-3-06    |  |
| 17  | 17  | 19 | 601.2943 | LOCKNUT                    | MS21042-3       |  |
| 16  | 16  | 18 | 601.2826 | BOLT                       | AN6-11A         |  |
| 46  | 46  | 17 | 601.1607 | WASHER                     | NAS11490320P    |  |
| 114 | 114 | 16 | 601.2764 | WASHER                     | NAS11490320P    |  |
| 1   | 1   | 15 | 647.0115 | CLIP                       |                 |  |
| 1   | 1   | 14 | 647.0114 | CLIP                       |                 |  |
| 1   | 1   | 13 | 647.0410 | TUBE                       |                 |  |
| 2   | 2   | 12 | 647.0116 | DOUBLER                    |                 |  |
| 1   | 1   | 11 | 647.0111 | PANEL                      |                 |  |
| 2   | 2   | 10 | 647.0113 | STRUT DOUBLER              |                 |  |
| 8   | 8   | 9  | 647.0112 | STRUT BRACKET              |                 |  |
| 4   | 4   | 8  | 646.9910 | STRUT                      |                 |  |
| 2   | 2   | 7  | 647.0310 | CHANNEL                    |                 |  |
| 1   | 1   | 6  | 647.0110 | ROOF DOUBLER               |                 |  |
| 1   | 1   | 5  | 647.0210 | RAIL                       |                 |  |
| 1   | 1   | 4  | 646.9810 | DEFLECTOR                  |                 |  |
| 1   | 1   | 3  | 646.9603 | LOWER CUTTER ASSY LOW      |                 |  |
| 1   | 1   | 2  | 646.9602 | LOWER CUTTER ASSY HIGH     |                 |  |
| 1   | 1   | 1  | 646.9601 | UPPER CUTTER ASSY          |                 |  |
| 1   | 1   | 1  | 646.9502 | 206 CABLE CUTTERS KIT LOW  |                 |  |
| 1   | 1   | 1  | 646.9501 | 206 CABLE CUTTERS KIT HIGH |                 |  |

| 1   | 1   | 41 | 601.2893 | SCREW                      | MS27039-0811 |  |
|-----|-----|----|----------|----------------------------|--------------|--|
| 1   | 1   | 40 | 601.2982 | HOSE CLAMP                 | MS35842-11   |  |
| 1   | 1   | 39 | 647.1210 | SCREEN                     |              |  |
| 5   | 5   | 38 | 601.1621 | SCREW                      | MS27039-1-08 |  |
| 14  | 14  | 37 | 601.2979 | RIVET                      | CR3213-4-1   |  |
| 4   | 4   | 36 | 601.2984 | INSERT                     | NAS1835-08   |  |
| 4   | 4   | 35 | 601.2277 | RIVET                      | CCP2455-3-07 |  |
| 8   | 8   | 34 | 601.2983 | RIVET                      | CR3213-5-4   |  |
| 12  | 12  | 33 | 601.2980 | NUTPLATE RIVET             | CCP2455-3-04 |  |
| 1   | 1   | 32 | 601.2822 | BOLT                       | AN3-3A       |  |
| 1   | 1   | 31 | 601.2985 | BRACKET                    | AN743-13     |  |
| 2   | 2   | 30 | 601.1900 | NUTPLATE                   | MS21059-3    |  |
| 6   | 6   | 29 | 601.2988 | SCREW                      | MS27039-0813 |  |
| 53  | 53  | 28 | 601.2973 | LOCKNUT                    | MS21042-08   |  |
| 6   | 6   | 27 | 600.0795 | NUTPLATE                   | MS21047-3    |  |
| 18  | 18  | 26 | 601.0790 | RIVET                      | CR3213-4-3   |  |
| 18  | 18  | 25 | 601.1039 | RIVET                      | CR3213-4-2   |  |
| 19  | 19  | 24 | 601.1915 | RIVET                      | CR3213-4-4   |  |
| 20  | 20  | 23 | 601.2991 | RIVET                      | CR3213-4-6   |  |
| 26  | 26  | 22 | 601.1183 | RIVET                      | CR3213-4-5   |  |
| 4   | 4   | 21 | 601.2356 | NUTPLATE                   | MS21059-08   |  |
| 8   | 8   | 20 | 601.2981 | NUTPLATE RIVET             | CCP2455-3-06 |  |
| 17  | 17  | 19 | 601.2943 | LOCKNUT                    | MS21042-3    |  |
| 16  | 16  | 18 | 601.2826 | BOLT                       | AN6-11A      |  |
| 46  | 46  | 17 | 601.1607 | WASHER                     | NAS11490320P |  |
| 114 | 114 | 16 | 601.2764 | WASHER                     | NAS11490320P |  |
| 1   | 1   | 15 | 647.0115 | CLIP                       |              |  |
| 1   | 1   | 14 | 647.0114 | CLIP                       |              |  |
| 1   | 1   | 13 | 647.0410 | TUBE                       |              |  |
| 2   | 2   | 12 | 647.0116 | DOUBLER                    |              |  |
| 1   | 1   | 11 | 647.0111 | PANEL                      |              |  |
| 2   | 2   | 10 | 647.0113 | STRUT DOUBLER              |              |  |
| 8   | 8   | 9  | 647.0112 | STRUT BRACKET              |              |  |
| 4   | 4   | 8  | 646.9910 | STRUT                      |              |  |
| 2   | 2   | 7  | 647.0310 | CHANNEL                    |              |  |
| 1   | 1   | 6  | 647.0110 | ROOF DOUBLER               |              |  |
| 1   | 1   | 5  | 647.0210 | RAIL                       |              |  |
| 1   | 1   | 4  | 646.9810 | DEFLECTOR                  |              |  |
| 1   | 1   | 3  | 646.9603 | LOWER CUTTER ASSY LOW      |              |  |
| 1   | 1   | 2  | 646.9602 | LOWER CUTTER ASSY HIGH     |              |  |
| 1   | 1   | 1  | 646.9601 | UPPER CUTTER ASSY          |              |  |
| 1   | 1   | 1  | 646.9502 | 206 CABLE CUTTERS KIT LOW  |              |  |
| 1   | 1   | 1  | 646.9501 | 206 CABLE CUTTERS KIT HIGH |              |  |

| 1   | 1   | 49 | 601.1066 | RIVET                      | CR3212-4-4      |  |
|-----|-----|----|----------|----------------------------|-----------------|--|
| 1   | 1   | 48 | 600.0991 | MAGNIBOND 63RB PART B      |                 |  |
| 1   | 1   | 47 | 600.0990 | MAGNIBOND 63RB PART A      |                 |  |
| 1   | 1   | 46 | 600.1012 | SEALANT                    | PP-1425 CLASS B |  |
| 5   | 5   | 45 | 601.1949 | SCREW                      | MS27039-1-11    |  |
| 2   | 2   | 44 | 601.2989 | SCREW                      | MS27039-0812    |  |
| 4   | 4   | 43 | 601.2987 | SCREW                      | MS27039-0809    |  |
| 4   | 4   | 42 | 601.3000 | SCREW                      | MS27039-0806    |  |
| 1   | 1   | 41 | 601.2893 | SCREW                      | MS27039-0811    |  |
| 1   | 1   | 40 | 601.2982 | HOSE CLAMP                 | MS35842-11      |  |
| 1   | 1   | 39 | 647.1210 | SCREEN                     |                 |  |
| 5   | 5   | 38 | 601.1621 | SCREW                      | MS27039-1-08    |  |
| 14  | 14  | 37 | 601.2979 | RIVET                      | CR3213-4-1      |  |
| 4   | 4   | 36 | 601.2984 | INSERT                     | NAS1835-08      |  |
| 4   | 4   | 35 | 601.2277 | RIVET                      | CCP2455-3-07    |  |
| 8   | 8   | 34 | 601.2983 | RIVET                      | CR3213-5-4      |  |
| 12  | 12  | 33 | 601.2980 | NUTPLATE RIVET             | CCP2455-3-04    |  |
| 1   | 1   | 32 | 601.2822 | BOLT                       | AN3-3A          |  |
| 1   | 1   | 31 | 601.2985 | BRACKET                    | AN743-13        |  |
| 2   | 2   | 30 | 601.1900 | NUTPLATE                   | MS21059-3       |  |
| 6   | 6   | 29 | 601.2988 | SCREW                      | MS27039-0813    |  |
| 53  | 53  | 28 | 601.2973 | LOCKNUT                    | MS21042-08      |  |
| 6   | 6   | 27 | 600.0795 | NUTPLATE                   | MS21047-3       |  |
| 18  | 18  | 26 | 601.0790 | RIVET                      | CR3213-4-3      |  |
| 18  | 18  | 25 | 601.1039 | RIVET                      | CR3213-4-2      |  |
| 19  | 19  | 24 | 601.1915 | RIVET                      | CR3213-4-4      |  |
| 20  | 20  | 23 | 601.2991 | RIVET                      | CR3213-4-6      |  |
| 26  | 26  | 22 | 601.1183 | RIVET                      | CR3213-4-5      |  |
| 4   | 4   | 21 | 601.2356 | NUTPLATE                   | MS21059-08      |  |
| 8   | 8   | 20 | 601.2981 | NUTPLATE RIVET             | CCP2455-3-06    |  |
| 17  | 17  | 19 | 601.2943 | LOCKNUT                    | MS21042-3       |  |
| 16  | 16  | 18 | 601.2826 | BOLT                       | AN6-11A         |  |
| 46  | 46  | 17 | 601.1607 | WASHER                     | NAS11490320P    |  |
| 114 | 114 | 16 | 601.2764 | WASHER                     | NAS11490320P    |  |
| 1   | 1   | 15 | 647.0115 | CLIP                       |                 |  |
| 1   | 1   | 14 | 647.0114 | CLIP                       |                 |  |
| 1   | 1   | 13 | 647.0410 | TUBE                       |                 |  |
| 2   | 2   | 12 | 647.0116 | DOUBLER                    |                 |  |
| 1   | 1   | 11 | 647.0111 | PANEL                      |                 |  |
| 2   | 2   | 10 | 647.0113 | STRUT DOUBLER              |                 |  |
| 8   | 8   | 9  | 647.0112 | STRUT BRACKET              |                 |  |
| 4   | 4   | 8  | 646.9910 | STRUT                      |                 |  |
| 2   | 2   | 7  | 647.0310 | CHANNEL                    |                 |  |
| 1   | 1   | 6  | 647.0110 | ROOF DOUBLER               |                 |  |
| 1   | 1   | 5  | 647.0210 | RAIL                       |                 |  |
| 1   | 1   | 4  | 646.9810 | DEFLECTOR                  |                 |  |
| 1   | 1   | 3  | 646.9603 | LOWER CUTTER ASSY LOW      |                 |  |
| 1   | 1   | 2  | 646.9602 | LOWER CUTTER ASSY HIGH     |                 |  |
| 1   | 1   | 1  | 646.9601 | UPPER CUTTER ASSY          |                 |  |
| 1   | 1   | 1  | 646.9502 | 206 CABLE CUTTERS KIT LOW  |                 |  |
| 1   | 1   | 1  | 646.9501 | 206 CABLE CUTTERS KIT HIGH |                 |  |

| QTY | 1   | 1   | 49 | 601.1066 | RIVET                 | CR3212-4-4      |  |
|-----|-----|-----|----|----------|-----------------------|-----------------|--|
| QTY | 1   | 1   | 48 | 600.0991 | MAGNIBOND 63RB PART B |                 |  |
| QTY | 1   | 1   | 47 | 600.0990 | MAGNIBOND 63RB PART A |                 |  |
| QTY | 1   | 1   | 46 | 600.1012 | SEALANT               | PP-1425 CLASS B |  |
| QTY | 5   | 5   | 45 | 601.1949 | SCREW                 | MS27039-1-11    |  |
| QTY | 2   | 2   | 44 | 601.2989 | SCREW                 | MS27039-0812    |  |
| QTY | 4   | 4   | 43 | 601.2987 | SCREW                 | MS27039-0809    |  |
| QTY | 4   | 4   | 42 | 601.3000 | SCREW                 | MS27039-0806    |  |
| QTY | 1   | 1   | 41 | 601.2893 | SCREW                 | MS27039-0811    |  |
| QTY | 1   | 1   | 40 | 601.2982 | HOSE CLAMP            | MS35842-11      |  |
| QTY | 1   | 1   | 39 | 647.1210 | SCREEN                |                 |  |
| QTY | 5   | 5   | 38 | 601.1621 | SCREW                 | MS27039-1-08    |  |
| QTY | 14  | 14  | 37 | 601.2979 | RIVET                 | CR3213-4-1      |  |
| QTY | 4   | 4   | 36 | 601.2984 | INSERT                | NAS1835-08      |  |
| QTY | 4   | 4   | 35 | 601.2277 | RIVET                 | CCP2455-3-07    |  |
| QTY | 8   | 8   | 34 | 601.2983 | RIVET                 | CR3213-5-4      |  |
| QTY | 12  | 12  | 33 | 601.2980 | NUTPLATE RIVET        | CCP2455-3-04    |  |
| QTY | 1   | 1   | 32 | 601.2822 | BOLT                  | AN3-3A          |  |
| QTY | 1   | 1   | 31 | 601.2985 | BRACKET               | AN743-13        |  |
| QTY | 2   | 2   | 30 | 601.1900 | NUTPLATE              | MS21059-3       |  |
| QTY | 6   | 6   | 29 | 601.2988 | SCREW                 | MS27039-0813    |  |
| QTY | 53  | 53  | 28 | 601.2973 | LOCKNUT               | MS21042-08      |  |
| QTY | 6   | 6   | 27 | 600.0795 | NUTPLATE              | MS21047-3       |  |
| QTY | 18  | 18  | 26 | 601.0790 | RIVET                 | CR3213-4-3      |  |
| QTY | 18  | 18  | 25 | 601.1039 | RIVET                 | CR3213-4-2      |  |
| QTY | 19  | 19  | 24 | 601.1915 | RIVET                 | CR3213-4-4      |  |
| QTY | 20  | 20  | 23 | 601.2991 | RIVET                 | CR3213-4-6      |  |
| QTY | 26  | 26  | 22 | 601.1183 | RIVET                 | CR3213-4-5      |  |
| QTY | 4   | 4   | 21 | 601.2356 | NUTPLATE              | MS21059-08      |  |
| QTY | 8   | 8   | 20 | 601.2981 | NUTPLATE RIVET        | CCP2455-3-06    |  |
| QTY | 17  | 17  | 19 | 601.2943 | LOCKNUT               | MS21042-3       |  |
| QTY | 16  | 16  | 18 | 601.2826 | BOLT                  | AN6-11A         |  |
| QTY | 46  | 46  | 17 | 601.1607 | WASHER                | NAS11490320P    |  |
| QTY | 114 | 114 | 16 | 601.2764 | WASHER                | NAS11490320P    |  |
| QTY | 1   | 1   | 15 | 647.0115 | CLIP                  |                 |  |
| QTY | 1   | 1   | 14 | 647.0114 | CLIP                  |                 |  |
| QTY | 1   | 1   | 13 | 647.0410 | TUBE                  |                 |  |
| QTY | 2   | 2   | 12 | 647.0116 | DOUBLER               |                 |  |
| QTY | 1   | 1   | 11 | 647.0111 | PANEL                 |                 |  |
| QTY | 2   | 2   | 10 | 647.0113 | STRUT DOUBLER         |                 |  |
| QTY | 8   | 8   | 9  | 647.0112 | STRUT                 |                 |  |

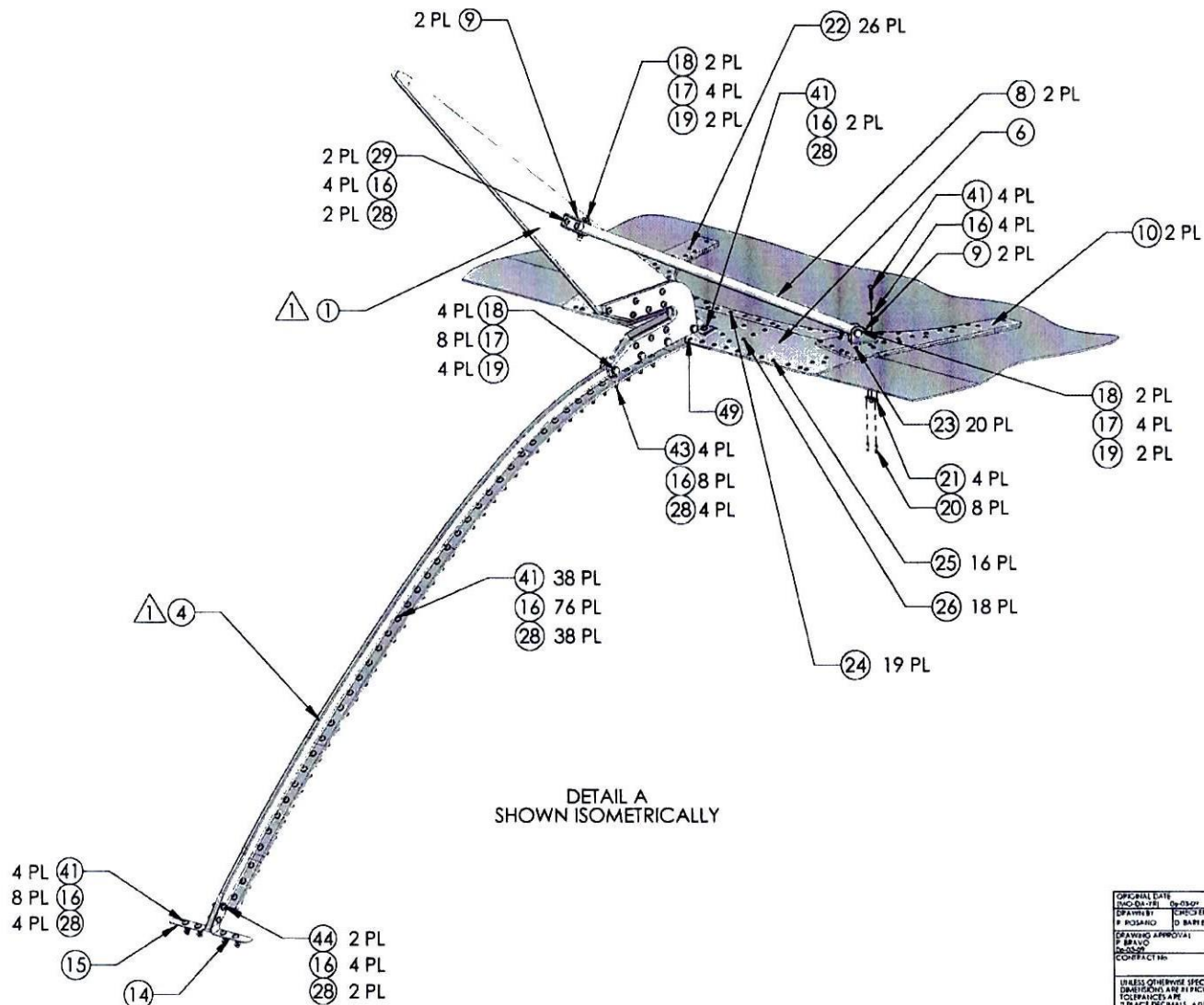
| 1   | 1   | 49 | 601.1066 | RIVET                 | CR3212-4-4      |  |
|-----|-----|----|----------|-----------------------|-----------------|--|
| 1   | 1   | 48 | 600.0991 | MAGNIBOND 63RB PART B |                 |  |
| 1   | 1   | 47 | 600.0990 | MAGNIBOND 63RB PART A |                 |  |
| 1   | 1   | 46 | 600.1012 | SEALANT               | PP-1425 CLASS B |  |
| 5   | 5   | 45 | 601.1949 | SCREW                 | MS27039-1-11    |  |
| 2   | 2   | 44 | 601.2989 | SCREW                 | MS27039-0812    |  |
| 4   | 4   | 43 | 601.2987 | SCREW                 | MS27039-0809    |  |
| 4   | 4   | 42 | 601.3000 | SCREW                 | MS27039-0806    |  |
| 1   | 1   | 41 | 601.2893 | SCREW                 | MS27039-0811    |  |
| 1   | 1   | 40 | 601.2982 | HOSE CLAMP            | MS35842-11      |  |
| 1   | 1   | 39 | 647.1210 | SCREEN                |                 |  |
| 5   | 5   | 38 | 601.1621 | SCREW                 | MS27039-1-08    |  |
| 14  | 14  | 37 | 601.2979 | RIVET                 | CR3213-4-1      |  |
| 4   | 4   | 36 | 601.2984 | INSERT                | NAS1835-08      |  |
| 4   | 4   | 35 | 601.2277 | RIVET                 | CCP2455-3-07    |  |
| 8   | 8   | 34 | 601.2983 | RIVET                 | CR3213-5-4      |  |
| 12  | 12  | 33 | 601.2980 | NUTPLATE RIVET        | CCP2455-3-04    |  |
| 1   | 1   | 32 | 601.2822 | BOLT                  | AN3-3A          |  |
| 1   | 1   | 31 | 601.2985 | BRACKET               | AN743-13        |  |
| 2   | 2   | 30 | 601.1900 | NUTPLATE              | MS21059-3       |  |
| 6   | 6   | 29 | 601.2988 | SCREW                 | MS27039-0813    |  |
| 53  | 53  | 28 | 601.2973 | LOCKNUT               | MS21042-08      |  |
| 6   | 6   | 27 | 600.0795 | NUTPLATE              | MS21047-3       |  |
| 18  | 18  | 26 | 601.0790 | RIVET                 | CR3213-4-3      |  |
| 18  | 18  | 25 | 601.1039 | RIVET                 | CR3213-4-2      |  |
| 19  | 19  | 24 | 601.1915 | RIVET                 | CR3213-4-4      |  |
| 20  | 20  | 23 | 601.2991 | RIVET                 | CR3213-4-6      |  |
| 26  | 26  | 22 | 601.1183 | RIVET                 | CR3213-4-5      |  |
| 4   | 4   | 21 | 601.2356 | NUTPLATE              | MS21059-08      |  |
| 8   | 8   | 20 | 601.2981 | NUTPLATE RIVET        | CCP2455-3-06    |  |
| 17  | 17  | 19 | 601.2943 | LOCKNUT               | MS21042-3       |  |
| 16  | 16  | 18 | 601.2826 | BOLT                  | AN6-11A         |  |
| 46  | 46  | 17 | 601.1607 | WASHER                | NAS11490320P    |  |
| 114 | 114 | 16 | 601.2764 | WASHER                | NAS11490320P    |  |
| 1   | 1   | 15 | 647.0115 | CLIP                  |                 |  |
| 1   | 1   | 14 | 647.0114 | CLIP                  |                 |  |
| 1   | 1   | 13 | 647.0410 | TUBE                  |                 |  |
| 2   | 2   | 12 | 647.0116 | DOUBLER               |                 |  |
| 1   | 1   | 11 | 647.0111 | PANEL                 |                 |  |
| 2   | 2   | 10 | 647.0113 | STRUT DOUBLER         |                 |  |
| 8   | 8   | 9  | 647.0112 | STRUT                 |                 |  |

| QTY | 1   | 1  | 49       | 601.1066              | RIVET           | CR3212-4-4 |  |
|-----|-----|----|----------|-----------------------|-----------------|------------|--|
| 1   | 1   | 48 | 600.0991 | MAGNIBOND 63RB PART B |                 |            |  |
| 1   | 1   | 47 | 600.0990 | MAGNIBOND 63RB PART A |                 |            |  |
| 1   | 1   | 46 | 600.1012 | SEALANT               | PP-1425 CLASS B |            |  |
| 5   | 5   | 45 | 601.1949 | SCREW                 | MS27039-1-11    |            |  |
| 2   | 2   | 44 | 601.2989 | SCREW                 | MS27039-0812    |            |  |
| 4   | 4   | 43 | 601.2987 | SCREW                 | MS27039-0809    |            |  |
| 4   | 4   | 42 | 601.3000 | SCREW                 | MS27039-0806    |            |  |
| 1   | 1   | 41 | 601.2893 | SCREW                 | MS27039-0811    |            |  |
| 1   | 1   | 40 | 601.2982 | HOSE CLAMP            | MS35842-11      |            |  |
| 1   | 1   | 39 | 647.1210 | SCREEN                |                 |            |  |
| 5   | 5   | 38 | 601.1621 | SCREW                 | MS27039-1-08    |            |  |
| 14  | 14  | 37 | 601.2979 | RIVET                 | CR3213-4-1      |            |  |
| 4   | 4   | 36 | 601.2984 | INSERT                | NAS1835-08      |            |  |
| 4   | 4   | 35 | 601.2277 | RIVET                 | CCP2455-3-07    |            |  |
| 8   | 8   | 34 | 601.2983 | RIVET                 | CR3213-5-4      |            |  |
| 12  | 12  | 33 | 601.2980 | NUTPLATE RIVET        | CCP2455-3-04    |            |  |
| 1   | 1   | 32 | 601.2822 | BOLT                  | AN3-3A          |            |  |
| 1   | 1   | 31 | 601.2985 | BRACKET               | AN743-13        |            |  |
| 2   | 2   | 30 | 601.1900 | NUTPLATE              | MS21059-3       |            |  |
| 6   | 6   | 29 | 601.2988 | SCREW                 | MS27039-0813    |            |  |
| 53  | 53  | 28 | 601.2973 | LOCKNUT               | MS21042-08      |            |  |
| 6   | 6   | 27 | 600.0795 | NUTPLATE              | MS21047-3       |            |  |
| 18  | 18  | 26 | 601.0790 | RIVET                 | CR3213-4-3      |            |  |
| 18  | 18  | 25 | 601.1039 | RIVET                 | CR3213-4-2      |            |  |
| 19  | 19  | 24 | 601.1915 | RIVET                 | CR3213-4-4      |            |  |
| 20  | 20  | 23 | 601.2991 | RIVET                 | CR3213-4-6      |            |  |
| 26  | 26  | 22 | 601.1183 | RIVET                 | CR3213-4-5      |            |  |
| 4   | 4   | 21 | 601.2356 | NUTPLATE              | MS21059-08      |            |  |
| 8   | 8   | 20 | 601.2981 | NUTPLATE RIVET        | CCP2455-3-06    |            |  |
| 17  | 17  | 19 | 601.2943 | LOCKNUT               | MS21042-3       |            |  |
| 16  | 16  | 18 | 601.2826 | BOLT                  | AN6-11A         |            |  |
| 46  | 46  | 17 | 601.1607 | WASHER                | NAS11490320P    |            |  |
| 114 | 114 | 16 | 601.2764 | WASHER                | NAS11490320P    |            |  |
| 1   | 1   | 15 | 647.0115 | CLIP                  |                 |            |  |
| 1   | 1   | 14 | 647.0114 | CLIP                  |                 |            |  |
| 1   | 1   | 13 | 647.0410 | TUBE                  |                 |            |  |
| 2   | 2   | 12 | 647.0116 | DOUBLER               |                 |            |  |
| 1   | 1   | 11 | 647.0111 | PANEL                 |                 |            |  |
| 2   | 2   | 10 | 647.0113 | STRUT DOUBLER         |                 |            |  |
| 8   | 8   | 9  | 647.0112 | STRUT                 |                 |            |  |

| QTY | 1   | 1  | 49       | 601.1066              | RIVET           | CR3212-4-4 |  |
|-----|-----|----|----------|-----------------------|-----------------|------------|--|
| 1   | 1   | 48 | 600.0991 | MAGNIBOND 63RB PART B |                 |            |  |
| 1   | 1   | 47 | 600.0990 | MAGNIBOND 63RB PART A |                 |            |  |
| 1   | 1   | 46 | 600.1012 | SEALANT               | PP-1425 CLASS B |            |  |
| 5   | 5   | 45 | 601.1949 | SCREW                 | MS27039-1-11    |            |  |
| 2   | 2   | 44 | 601.2989 | SCREW                 | MS27039-0812    |            |  |
| 4   | 4   | 43 | 601.2987 | SCREW                 | MS27039-0809    |            |  |
| 4   | 4   | 42 | 601.3000 | SCREW                 | MS27039-0806    |            |  |
| 1   | 1   | 41 | 601.2893 | SCREW                 | MS27039-0811    |            |  |
| 1   | 1   | 40 | 601.2982 | HOSE CLAMP            | MS35842-11      |            |  |
| 1   | 1   | 39 | 647.1210 | SCREEN                |                 |            |  |
| 5   | 5   | 38 | 601.1621 | SCREW                 | MS27039-1-08    |            |  |
| 14  | 14  | 37 | 601.2979 | RIVET                 | CR3213-4-1      |            |  |
| 4   | 4   | 36 | 601.2984 | INSERT                | NAS1835-08      |            |  |
| 4   | 4   | 35 | 601.2277 | RIVET                 | CCP2455-3-07    |            |  |
| 8   | 8   | 34 | 601.2983 | RIVET                 | CR3213-5-4      |            |  |
| 12  | 12  | 33 | 601.2980 | NUTPLATE RIVET        | CCP2455-3-04    |            |  |
| 1   | 1   | 32 | 601.2822 | BOLT                  | AN3-3A          |            |  |
| 1   | 1   | 31 | 601.2985 | BRACKET               | AN743-13        |            |  |
| 2   | 2   | 30 | 601.1900 | NUTPLATE              | MS21059-3       |            |  |
| 6   | 6   | 29 | 601.2988 | SCREW                 | MS27039-0813    |            |  |
| 53  | 53  | 28 | 601.2973 | LOCKNUT               | MS21042-08      |            |  |
| 6   | 6   | 27 | 600.0795 | NUTPLATE              | MS21047-3       |            |  |
| 18  | 18  | 26 | 601.0790 | RIVET                 | CR3213-4-3      |            |  |
| 18  | 18  | 25 | 601.1039 | RIVET                 | CR3213-4-2      |            |  |
| 19  | 19  | 24 | 601.1915 | RIVET                 | CR3213-4-4      |            |  |
| 20  | 20  | 23 | 601.2991 | RIVET                 | CR3213-4-6      |            |  |
| 26  | 26  | 22 | 601.1183 | RIVET                 | CR3213-4-5      |            |  |
| 4   | 4   | 21 | 601.2356 | NUTPLATE              | MS21059-08      |            |  |
| 8   | 8   | 20 | 601.2981 | NUTPLATE RIVET        | CCP2455-3-06    |            |  |
| 17  | 17  | 19 | 601.2943 | LOCKNUT               | MS21042-3       |            |  |
| 16  | 16  | 18 | 601.2826 | BOLT                  | AN6-11A         |            |  |
| 46  | 46  | 17 | 601.1607 | WASHER                | NAS11490320P    |            |  |
| 114 | 114 | 16 | 601.2764 | WASHER                | NAS11490320P    |            |  |
| 1   | 1   | 15 | 647.0115 | CLIP                  |                 |            |  |
| 1   | 1   | 14 | 647.0114 | CLIP                  |                 |            |  |
| 1   | 1   | 13 | 647.0410 | TUBE                  |                 |            |  |
| 2   | 2   | 12 | 647.0116 | DOUBLER               |                 |            |  |
| 1   | 1   | 11 | 647.0111 | PANEL                 |                 |            |  |
| 2   | 2   | 10 | 647.0113 | STRUT DOUBLER         |                 |            |  |
| 8   | 8   | 9  | 647.0112 | STRUT                 |                 |            |  |

| QTY | 1  | 1  | 49       | 601.1066              | RIVET           | CR3212-4-4 |  |
|-----|----|----|----------|-----------------------|-----------------|------------|--|
| 1   | 1  | 48 | 600.0991 | MAGNIBOND 63RB PART B |                 |            |  |
| 1   | 1  | 47 | 600.0990 | MAGNIBOND 63RB PART A |                 |            |  |
| 1   | 1  | 46 | 600.1012 | SEALANT               | PP-1425 CLASS B |            |  |
| 5   | 5  | 45 | 601.1949 | SCREW                 | MS27039-1-11    |            |  |
| 2   | 2  | 44 | 601.2989 | SCREW                 | MS27039-0812    |            |  |
| 4   | 4  | 43 | 601.2987 | SCREW                 | MS27039-0809    |            |  |
| 4   | 4  | 42 | 601.3000 | SCREW                 | MS27039-0806    |            |  |
| 1   | 1  | 41 | 601.2893 | SCREW                 | MS27039-0811    |            |  |
| 1   | 1  | 40 | 601.2982 | HOSE CLAMP            | MS35842-11      |            |  |
| 1   | 1  | 39 | 647.1210 | SCREEN                |                 |            |  |
| 5   | 5  | 38 | 601.1621 | SCREW                 | MS27039-1-08    |            |  |
| 14  | 14 | 37 | 601.2979 | RIVET                 | CR3213-4-1      |            |  |
| 4   | 4  | 36 | 601.2984 | INSERT                | NAS1835-08      |            |  |
| 4   | 4  | 35 | 601.2277 | RIVET                 | CCP2455-3-07    |            |  |
| 8   | 8  | 34 | 601.2983 | RIVET                 | CR3213-5-4      |            |  |
| 12  | 12 | 33 | 601.2980 | NUTPLATE RIVET        | CCP2455-3-04    |            |  |
| 1   | 1  | 32 | 601.2822 | BOLT                  | AN3-3A          |            |  |
| 1   | 1  | 31 | 601.2985 | BRACKET               | AN743-13        |            |  |
| 2   | 2  | 30 | 601.1900 | NUTPLATE              | MS21059-3       |            |  |
| 6   | 6  | 29 | 601.2988 | SCREW                 | MS27039-0813    |            |  |
| 53  | 53 | 28 | 601.2973 | LOCKNUT               | MS21042-08      |            |  |
| 6   | 6  | 27 | 600.0795 | NUTPLATE              | MS21047-3       |            |  |
| 18  | 18 | 26 | 601.0790 | RIVET                 | CR3213-4-3      |            |  |
| 18  | 18 | 25 | 601.1039 | RIVET                 | CR3213-4-2      |            |  |
| 19  | 19 | 24 | 601.1915 | RIVET                 | CR3213-4-4      |            |  |
| 20  | 20 | 23 | 601.2991 | RIVET                 | CR3213-4-6      |            |  |
| 26  | 26 | 22 | 601.1183 | RIVET                 | CR3213-4-5      |            |  |
| 4   | 4  | 21 | 601.2356 | NUTPLATE              |                 |            |  |

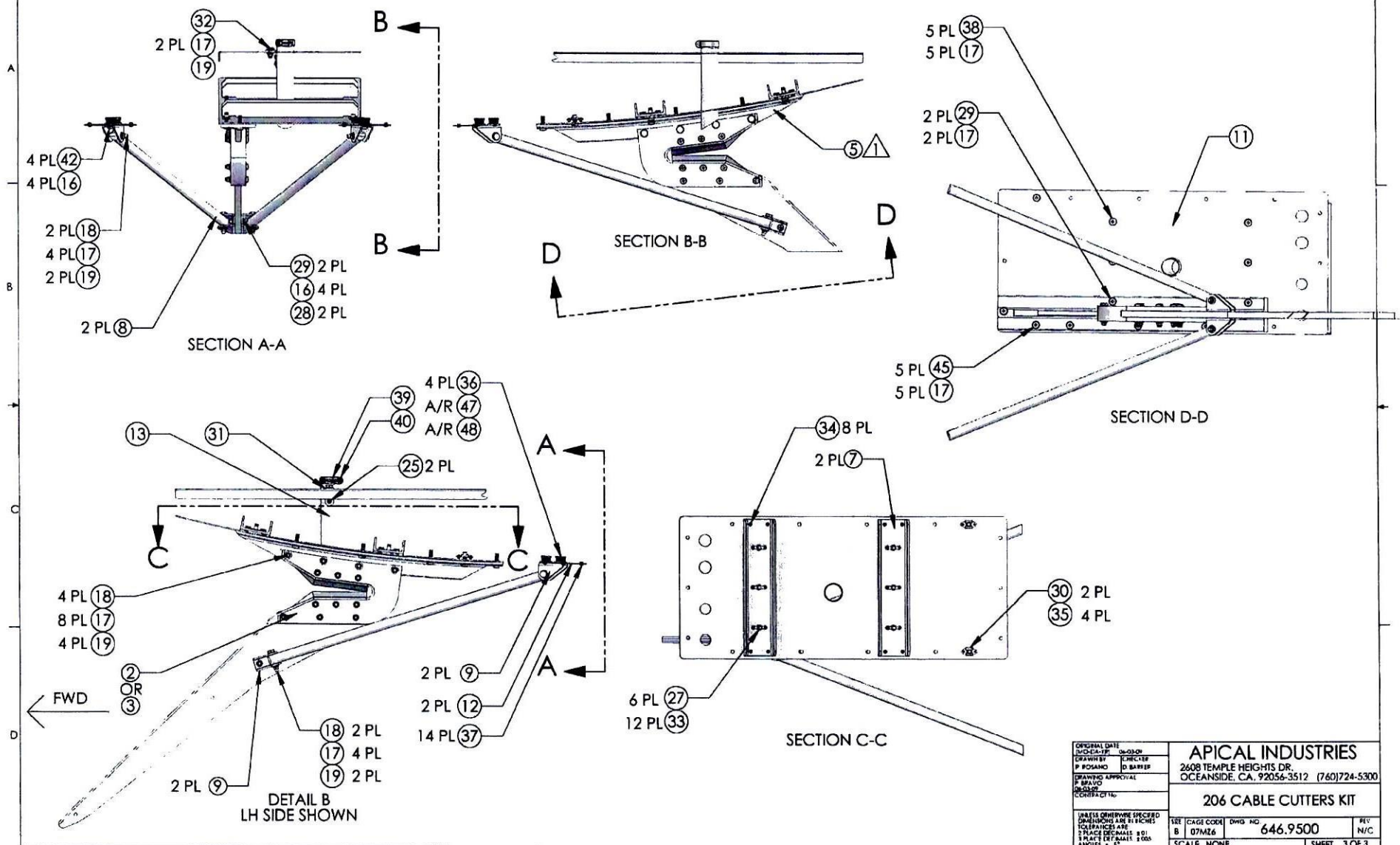
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|                                                                                                                     |                      |                    |                 |
|---------------------------------------------------------------------------------------------------------------------|----------------------|--------------------|-----------------|
| <b>APICAL INDUSTRIES</b><br>2608 TEMPLE HEIGHTS DR.<br>OCEANSIDE, CA. 92056-3512 (760)724-5300                      |                      |                    |                 |
| <b>206 CABLE CUTTERS KIT</b>                                                                                        |                      |                    |                 |
| OFFICIAL DATE<br>(MM-DD-YY)<br>DRAWN BY<br>P. ROSARIO<br>DRAWING APPROVAL<br>P. ROSARIO<br>CHECKED<br>CONTRACT NO.  | SIZE<br>B            | CAGE CODE<br>07M26 | QTY<br>1        |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE<br>3 PLACE DECIMALS ± .001<br>ANGLES ± .1° | DWG. NO.<br>646.9500 | SCALE<br>NONE      | SHEET<br>2 OF 3 |



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|                                                                                                |                         |                     |             |
|------------------------------------------------------------------------------------------------|-------------------------|---------------------|-------------|
| ORIGINAL DATE<br>04-01-1971                                                                    | 04-03-04                |                     |             |
| DRAWN BY<br>P. ROSANO                                                                          | CHECKED BY<br>D. BARRER |                     |             |
| DRAWING APPROVAL<br>P. ROSANO                                                                  |                         |                     |             |
| CONTRACT NO.                                                                                   |                         |                     |             |
| <b>APICAL INDUSTRIES</b><br>2608 TEMPLE HEIGHTS DR.<br>OCEANSIDE, CA. 92056-3512 (760)724-5300 |                         |                     |             |
| <b>206 CABLE CUTTERS KIT</b>                                                                   |                         |                     |             |
| SIZE<br>B                                                                                      | CAGE CODE<br>07MZ6      | DWG NO.<br>646.9500 | REV.<br>N/C |
| SCALE<br>NONE                                                                                  |                         | SHEET<br>3 OF 3     |             |



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REFERENCE ONLY

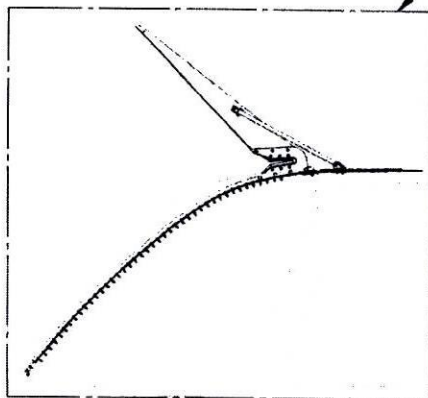
UNINCORPORATED ECN(S)

02729, 02736, 03047

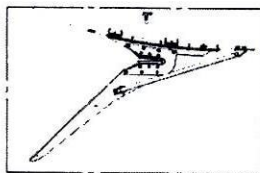
NOTES:

1 AFTER INSTALLATION, APPLY F/N 46 A/R TO FILL GAPS AND FILLET EDGES

DETAIL A



DETAIL B



| QTY | FIND # | PART # | DESCRIPTION                    | MAT'L           | SPEC. |
|-----|--------|--------|--------------------------------|-----------------|-------|
| 1   | 1      | 49     | 601.1066 RIVET                 | CR3212-4-1      |       |
| 1   | 1      | 48     | 600.0991 MAGNEBOND 6388 PART B |                 |       |
| 1   | 1      | 47     | 600.0990 MAGNEBOND 6388 PART A |                 |       |
| 1   | 1      | 46     | 600.1012 SEALANT               | PR-1435 CLASS B |       |
| 5   | 5      | 45     | 601.1949 SCREW                 | MS27039-1-11    |       |
| 2   | 2      | 44     | 601.2989 SCREW                 | MS27039-0812    |       |
| 4   | 4      | 43     | 601.2987 SCREW                 | MS27039-0809    |       |
| 4   | 4      | 42     | 601.3000 SCREW                 | MS27039-0806    |       |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |          |          |                            |              |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------|----------|----------------------------|--------------|-------|
| 47                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 47    | 41       | 601.2893 | SCREW                      | MS27039-0811 |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 40       | 601.2982 | HOSE CLAMP                 | MS35842-11   |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 39       | 647.1210 | SCREEN                     |              |       |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5     | 38       | 601.1621 | SCREW                      | MS27039-1-08 |       |
| 14                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 14    | 37       | 601.2979 | RIVET                      | CR3213-4-1   |       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4     | 36       | 601.2984 | INSERT                     | MS1835-08    |       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4     | 35       | 601.2277 | RIVET                      | CCP24455-307 |       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8     | 34       | 601.2983 | RIVET                      | CR3212-5-4   |       |
| 12                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12    | 33       | 601.2980 | NUTPLATE RIVET             | CCP24455-341 |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 32       | 601.2822 | BOLT                       | AN-3-3A      |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 31       | 601.2985 | BRACKET                    | AN743-13     |       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2     | 30       | 601.1900 | NUTPLATE                   | MS21059-3    |       |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6     | 29       | 601.2988 | SCREW                      | MS27039-0813 |       |
| 53                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 53    | 28       | 601.2973 | LOCKNUT                    | MS21042-08   |       |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6     | 27       | 600.0795 | NUTPLATE                   | MS21047-3    |       |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 18    | 26       | 601.0790 | RIVET                      | CR3213-4-3   |       |
| 18                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 18    | 25       | 601.1039 | RIVET                      | CR3213-4-2   |       |
| 19                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 19    | 24       | 601.1915 | RIVET                      | CR3213-4-4   |       |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20    | 23       | 601.2991 | RIVET                      | CR3213-4-5   |       |
| 26                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 26    | 22       | 601.1183 | RIVET                      | CR3213-4-5   |       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4     | 21       | 601.2356 | NUTPLATE                   | MS21059-08   |       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8     | 20       | 601.2981 | NUTPLATE RIVET             | CCP24455-304 |       |
| 17                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 17    | 19       | 601.2943 | LOCKNUT                    | MS21042-3    |       |
| 16                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 16    | 18       | 601.2826 | BOLT                       | AN-3-11A     |       |
| 46                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 46    | 17       | 601.1607 | WASHER                     | MS11470832P  |       |
| 114                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 114   | 16       | 601.2764 | WASHER                     | MS11470832P  |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 15       | 647.0115 | CLIP                       |              |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 14       | 647.0114 | CLIP                       |              |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 13       | 647.0410 | TUBE                       |              |       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2     | 12       | 647.0116 | DOUBLER                    |              |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 11       | 647.0111 | PANEL                      |              |       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2     | 10       | 647.0113 | STRUT DOUBLER              |              |       |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 8     | 9        | 647.0112 | STRUT BRACKET              |              |       |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4     | 8        | 646.9910 | STRUT                      |              |       |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2     | 7        | 647.0310 | CHANNEL                    |              |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 6        | 647.0110 | ROOF DOUBLER               |              |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 5        | 647.0210 | RAIL                       |              |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 4        | 646.9810 | DEFLECTOR                  |              |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 3        | 646.9603 | LOWER CUTTER ASSY LOW      |              |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1     | 2        | 646.9602 | LOWER CUTTER ASSY HIGH     |              |       |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1     | 1        | 646.9601 | UPPER CUTTER ASSY          |              |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |          | 646.9502 | 206 CABLE CUTTERS KIT LOW  |              |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |          | 646.9501 | 206 CABLE CUTTERS KIT HIGH |              |       |
| 902                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 901   | FIND #   | PART #   | DESCRIPTION                | MAT'L        | SPEC. |
| PART LIST                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |          |          |                            |              |       |
| NEXT ASSY (5)                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |          |          |                            |              |       |
| <div><div><div>ORIGINAL DATE<br/>05/06/2014<br/>DRAWN BY<br/>P. KOSANO<br/>CHECKED BY<br/>P. KOSANO<br/>APPROVAL<br/>P. KOSANO<br/>CONTRACT NO.</div><div>UNLESS OTHERWISE SPECIFIED<br/>DIMENSIONS ARE IN INCHES<br/>2 PLACES DECIMALS ± .01<br/>3 PLACES DECIMALS ± .005<br/>ANGLES °</div></div><div><div>APICAL INDUSTRIES<br/>2608 TEMPLE HEIGHTS DR.<br/>OCEANSIDE, CA. 92056-3512 (760)724-5300</div><div>206 CABLE CUTTERS KIT</div></div></div> |       |          |          |                            |              |       |
| REV                                                                                                                                                                                                                                                                                                                                                                                                                                                      | QTY   | SCALE    | CODE     | DWG NO                     | REV          |       |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 07M26 | 646.9501 |          |                            | N/C          |       |
| SCALE NONE                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |          |          | SHEET 1 OF 5               |              |       |

|                                                               |                                     |                                               |                        |                       |                                                                                           |  |
|---------------------------------------------------------------|-------------------------------------|-----------------------------------------------|------------------------|-----------------------|-------------------------------------------------------------------------------------------|--|
| APICAL<br>INDUSTRIES, INC.                                    | ENGINEERING CHANGE NOTICE NO. 02729 |                                               |                        |                       | SHEET 1 OF 3                                                                              |  |
|                                                               | DWG NO. 646.9500                    | REV: N/C                                      | PREPARED BY S. HUFF    | DATE: 12/23/09        | EFFECT ON DWG<br><input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC. |  |
|                                                               | DWG TITLE: 206 CABLE CUTTERS KIT    |                                               |                        |                       |                                                                                           |  |
|                                                               | APPROVED BY:                        | ENGR <i>[Signature]</i>                       | MEG <i>[Signature]</i> | QC <i>[Signature]</i> | EFF: CURRENT ORDER                                                                        |  |
| TRANSACTION CODES (TC)<br>A-ADD C-CREATE<br>R-REVISE D-DELETE |                                     | REASON: HARDWARE REVISIONS FROM FIRST INSTALL |                        |                       |                                                                                           |  |

REFERENCE ONLY

| 51                                                                                                                                                                                                                | A  | 601.3155    | 8    | 8    | BOLT        | AN3-10A                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|------|------|-------------|---------------------------------------------------------------------------------------------|
| 50                                                                                                                                                                                                                | A  | 601.3153    | 5    | 5    | SCREW       | MS24694S8                                                                                   |
| 41                                                                                                                                                                                                                | R  | 601.2893    | 43   | 43   | SCREW       | MS27039-0811                                                                                |
| 28                                                                                                                                                                                                                | R  | 601.2973    | 54   | 54   | LOCKNUT     | MS21042-08                                                                                  |
| 18                                                                                                                                                                                                                | R  | 601.2826    | 8    | 8    | BOLT        | AN3-11A                                                                                     |
| 16                                                                                                                                                                                                                | R  | 601.2764    | 127  | 127  | WASHER      | NAS1149FN832P                                                                               |
|                                                                                                                                                                                                                   |    |             | 9502 | 9501 |             |                                                                                             |
| F/N                                                                                                                                                                                                               | TC | PART NUMBER | QTY  |      | DESCRIPTION | MATERIAL/SPECIFICATION                                                                      |
| DOCUMENTS EFFECTED: <input type="checkbox"/> MDL <input checked="" type="checkbox"/> INSTALL INSTRUC <input checked="" type="checkbox"/> ICA <input type="checkbox"/> FMS <input checked="" type="checkbox"/> BOM |    |             |      |      |             | CHANGE CATEGORY<br><input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR |
|                                                                                                                                                                                                                   |    |             |      |      |             | DER REVIEW REQUIRED<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |

|                                                               |                                     |                                     |                     |                       |                                                                                           |                    |
|---------------------------------------------------------------|-------------------------------------|-------------------------------------|---------------------|-----------------------|-------------------------------------------------------------------------------------------|--------------------|
| <b>APICAL</b><br>INDUSTRIES, INC.                             | ENGINEERING CHANGE NOTICE NO. 02736 |                                     |                     |                       | SHEET 1 OF 1                                                                              |                    |
|                                                               | DWG NO. 646.9500                    | REV IN/C                            | PREPARED BY S. HUFF | DATE: 01/06/10        | EFFECT ON DWG<br><input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC. |                    |
|                                                               | DWG TITLE: 206 CABLE CUTTERS KIT    |                                     |                     |                       |                                                                                           |                    |
| APPROVED BY: ENGR <i>[Signature]</i>                          |                                     | MFG <i>[Signature]</i>              |                     | QC <i>[Signature]</i> |                                                                                           | EFF: CURRENT ORDER |
| TRANSACTION CODES (TC)<br>A-ADD C-CREATE<br>R-REVISE D-DELETE |                                     | REASON: CORRECTED PARTS LIST ERRORS |                     |                       |                                                                                           |                    |

REFERENCE ONLY

| 17                                                                                                                                                                                                                | R  | 601.1607    | 62   | 62   | WASHER      | NAS1149F0332P                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------------|------|------|-------------|---------------------------------------------------------------------------------------------|
| 16                                                                                                                                                                                                                | R  | 601.2764    | 111  | 111  | WASHER      | NAS1149FN832P                                                                               |
|                                                                                                                                                                                                                   |    |             | 9502 | 9501 |             |                                                                                             |
| F/N                                                                                                                                                                                                               | TC | PART NUMBER | QTY  |      | DESCRIPTION | MATERIAL/SPECIFICATION                                                                      |
| DOCUMENTS EFFECTED: <input type="checkbox"/> MDL <input checked="" type="checkbox"/> INSTALL INSTRUC <input checked="" type="checkbox"/> ICA <input type="checkbox"/> FMS <input checked="" type="checkbox"/> BOM |    |             |      |      |             | CHANGE CATEGORY<br><input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR |
|                                                                                                                                                                                                                   |    |             |      |      |             | DER REVIEW REQUIRED<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |





Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

## Master Unit 000063

Tel (613) 632-5200

| Containers on Master Unit 000063 |               |                  |           |          |
|----------------------------------|---------------|------------------|-----------|----------|
| Serial No                        | Part No       | Customer Part No | Status    | Quantity |
| S035319                          | 600.0990      | 600.0990         | Allocated | 1        |
| S035317                          | 600.0991      | 600.0991         | Allocated | 1        |
| S035316                          | 600.1012      |                  | Allocated | 1        |
| S035320                          | 646.9601      | 646.9601         | Allocated | 1        |
| S035314                          | 646.9810      |                  | Allocated | 1        |
| S035313                          | 647.0110      |                  | Allocated | 1        |
| F165197                          | 647.0111      |                  | Allocated | 1        |
| S035311                          | 647.0112      | 647.0112         | Allocated | 8        |
| S035308                          | 647.0113      |                  | Allocated | 2        |
| S035307                          | 647.0114      |                  | Allocated | 1        |
| S035306                          | 647.0115      |                  | Allocated | 1        |
| S035305                          | 647.0116      | 647.0116         | Allocated | 2        |
| S035302                          | 647.0210      | 647.0210         | Allocated | 1        |
| S035300                          | 647.0310      | 647.0310         | Allocated | 2        |
| S035299                          | 647.0410      |                  | Allocated | 1        |
| S035276                          | 647.1210      |                  | Allocated | 1        |
| S035268                          | AN3-10A       | AN3-10A          | Allocated | 8        |
| S035267                          | AN3-11A       |                  | Allocated | 8        |
| S035266                          | AN3-3A        | AN3-3A           | Allocated | 1        |
| S035263                          | AN743-13      |                  | Allocated | 1        |
| S035262                          | CCR264SS-3-06 |                  | Allocated | 8        |
| S035261                          | CCR264SS3-02  |                  | Allocated | 4        |
| S035260                          | CCR264SS3-04  |                  | Allocated | 12       |
| S035258                          | CR3212-4-04   |                  | Allocated | 1        |
| S035257                          | CR3212-5-4    |                  | Allocated | 8        |
| S035256                          | CR3213-4-05   |                  | Allocated | 26       |
| S035255                          | CR3213-4-1    | CR3213-4-1       | Allocated | 14       |
| S035254                          | CR3213-4-2    | CR3213-4-2       | Allocated | 18       |
| S035213                          | CR3213-4-3    |                  | Allocated | 18       |
| S035208                          | CR3213-4-4    |                  | Allocated | 19       |
| S035207                          | CR3213-4-6    |                  | Allocated | 20       |
| S035206                          | MS21042L08    |                  | Allocated | 54       |
| S035202                          | MS21042L3     | MS21042L3        | Allocated | 17       |

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|         |               |               |           |     |
|---------|---------------|---------------|-----------|-----|
| S035201 | MS21047-3     |               | Allocated | 6   |
| S035200 | MS21059-3     |               | Allocated | 2   |
| S035199 | MS21059L08    |               | Allocated | 4   |
| S035198 | MS24694-S8    |               | Allocated | 5   |
| S035197 | MS27039-08-06 |               | Allocated | 4   |
| S035196 | MS27039-08-09 |               | Allocated | 4   |
| S035195 | MS27039-08-11 |               | Allocated | 43  |
| S035194 | MS27039-08-12 |               | Allocated | 2   |
| S035193 | MS27039-08-13 | MS27039-08-13 | Allocated | 6   |
| S035192 | MS27039-1-08  |               | Allocated | 5   |
| S035191 | MS27039-1-11  |               | Allocated | 5   |
| S035190 | MS35842-11    |               | Allocated | 1   |
| S035189 | NAS1149F0332P |               | Allocated | 62  |
| S035188 | NAS1149FN832P |               | Allocated | 111 |
| S035187 | NAS1835-08    |               | Allocated | 4   |

646.9910

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